Philadelphia 5th April 1819.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Esteemed Friend.

I have rec'd with the greatest pleasure your favor 28th March, & I am glad to see that you have resolved to write me. I would have addressed you long ago; but I hardly knew if you was in Newyork, and I was told that you had been protored as Mineralogist in the expedit. of Major Long up the Missouri; but I have just heard that a philadelphian Miner, Mr Gessup is gone instead of you, along with Mess. Say & Baldwin. — I often think with pleasure of my friends of the Lyceum, and regret with you that their valuable labours should be lost. I have often been prevented from communicating many papers, by the idea; that it would be an easy matter to obviate the small difficulties you point out. I once offered in writing to Mr Bigelow (chairman of the Committee appointed to consider the subject) four different plans to suit any taste; but he took hardly any notice of them, because he thought that any publication of the Lyceum would interfere with his Magazine! You now ask my advice, & I will give it freely, feeling a deep interest in the welfare of the Lyceum. I would propose that a sheet of 16 pages 8vo. be published every month under the title of Annals of the Lyceum of N. H. in small type & the monthly cost will be about ~~$24~~ $25 printing only 500 Copies. Let every member take one (at least) or more copies, (for my part I shall take 12.) at only 10 Cents each; 12 numbers will form in one year a Volume of 192 pages costing only 120 Cents. If 150 copies are taken or subscribed for by the members and 100 Copies sold, the expenses are paid and 250 copies more remain to be sent abroad by the Lyceum, or given in present. Let no plate be introduced unless at the expence of those who offer them or of any willing member. Let the whole matter be new and simplical, any diffuse matter to be rejected unless printed in an extra sheet at the expense of the writer or his friends. All the matter to be selected by a Standing Committee of Selection, who must report on every paper presented & state the grounds of rejection when needful. Every paper

must be classical, ~~chante~~ the responsability for facts laying on the writers. The Society being only pledged that by the style and form, the papers were deemed worth of publication. Such plan or something like will I am sure meet with the aprobation of all the members. I hope you will propose it and have it executed as soon as possible; ~~and~~ I shall become gladly a regular contributor to it; you must beware of falling into the oligarchicon plan of the Academy of Philad.a who only allow a select few to enjoy the privilege of insertion & reject others without giving motives.

My reviews of Pursh & Nuttall, might receive the appellation of Observations on American Botany: they were called reviews to suit the Magaz.e whence the length of remarks & numbers of correspondg.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I have just heard that Mr Landreth Nurseymen ~~have~~ ~~not~~ lea plants for sale, I mean to see them and write a fourth letter accordingly.

When a plant is changed from one genus to another, it becomes in the scale of probability 2 chances to 1 that it belongs to neither because if the first instance was a mistake, the second may be likewise so ~~also~~. When it is put in 3 genera, there are 3 chances to 1 & so forth; but I did not mean to say that in all instances such is the fact. there will always be one chance out of so many in favor of any of the genera, until the matter is decided by a real accurate observer, divested of the prejudice that all plants must belong to known genera. Chaptal, Franklin, Jefferson, Pinckney in America & Berthollet, Fourcroy, Columbus, Cook, Bougainville, &c. had no particular pretentions to botanical Science yet they were eminent philosophers, or navigators & fosterers of Sciences & even of Botany by indirect means, & have had genera named after them; it is therefore to Mr Clinton as a philosopher, Agriculturalist, Writer on Natural history in his discourses Geology & the tides of the Lakes & a fosterer of science, that I have dedicated a genus, not to the Statesman nor politician. Dr. Barton who was a federalist, ~~dedicated~~ named the Jeffersonia! If you do not aprove of Clintonia much less must you Franklinia &c

Muhlenberg's flora lancastriensis is merely going to the press at last Mr Collins has rec.d your plants & will answer you in a few days, also about the phosphate of Iron.

I am glad to hear that your little flora is finished, send me one by mail. You may send 12 copies to Mr Salomon Conrad bookseller for sale I may want 6 copies myself if there is any thing new in it, at any rate 2 other copies, 1 for Decandolle, the other for Kuerner. I hope it will not be a dear book. The author of this Catalogue will probably well deserve a genus's dedication. My Torreya was a fine plant, what a pity that Nuttall called it Tynandra a few months previous, yet that name is not very good neither, only the anthers are united by hairs.

I hope to publish in one month, a small work 64 pages 8°. price 25 Cents called. Natural Classification of the natural Classes, Orders, families & genera of American (U. S.) & European Plants. motto Methodus naturalis primus & ultimus finis botanices est & erit Lin. phil. bot.

TORREY CORRESPONDENCE
MEMORANDUM
COLUMBIA UNIVERSITY.

Pray where is now Mr Eaton? when you write him tell him that I have rec'd (thro' Dr Mitchell) his 2d ed. of Northern Botany. I want 3 copies for my friends & it is not to be found here, tell him to send some to Mr Conrad. I will send him several copies of my Natural Classification.

Where is Mr Knevels? my friendly compliments to him, & tell him see him that I have not yet rec'd the ~~four~~ Dollars & 6 of my books.

I have spent the Winter here to be able to make my Map of the Valley of the Ohio, which I have sold for the Navigator. I hardly know when I shall visit Newyork again, probably next Month, or at any rate before going back to the Western Country where I must go next Summer. I have been offered a professorship of Botany & Nat. hist. in a College in the West; but as there is some difficulties yet in the way respecting Calvary &c I do not wish it to be known yet generally, I therefore mention it in friendship, & for a particular purpose which concerns you. A professor of Experimental Chemistry may be also wanted, I mentioned your name; but not knowing whether you should like to go West, nor on what terms, I could not do any thing further; but when I am going or sooner I should like to know, whether you will allow me to propose you, ~~&c~~ give me an idea of the terms you would go for, besides full lodging & board in the College, & liberty to practise your profession & perhaps give lectures on some points of Medical Science: be explicit, whatever you will say, will be ~~in~~ confidential.

Pray give me the names & directions of the members of the Lyceum in the Western States. — Much is to be done yet on the grasses of the U. S. notwithstand'g. Muhlenberg's I believe that Mr Collins is engaged also on a

similar labours; but he is so cautious that many years will elapse before he matures any work or can be induced to publish it. A good practical Natural hist of our grasses would be valuable; but they must be well analysed, compared, described & all the uses, cultivation, enemies &c given. Remember not to publish before procuring Palisot Beauvois Agrostographie Paris 1 Vol 4to 1809 full of plates, a classical work full of generic improvements, it was here bid so dear (£9) that while bargaining for it it was purchased by another. — I shall send you a set of the Western grasses & some fine plants ere long, when I make up my collection for Europe I will put by for you what I can, I have numberless specimens but not time to pick them up. Remember I shall want some of the rare New Jersey & Newyork plants, you know those I have not or pretty near.

Believe me truly Your friend, C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque
April 5th 1819.

Dr John Torrey
New York

Dr. Torrey. Newyork. Philadelphia 22d April 1819

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Sir

I have no answer yet to my last Letter. This merely serves to beg again that you will send me immediatly two Copies of your Catalogue, One of which for Prof. Decandolle to whom I am going to send a box of American botanical books, I should like also to send him Eaton's 2d Edit. of Manual of Botany, but I cannot get it here! As I am selecting plants for him from my herbarium, I put many aside for you: please to tell me how to send them whenready if no friend offers to carry them. I see your Catal. was printed at Albany & includes the plants of 50 miles round Newyork, including then the Highlands and New Jersey Pine barrens. I shall tell you my opinion candidly when I see it.

Mr. Lecontè & Mr Green have been here.

I have been elected Professor of Botany & Natural history in the Pennsylvania University.

What is the price of your Catalogue?

I want a Specimen of Vicia mitchelli, all the Orchideous you can spare, and the New Jersey plants, Schizea, Calycanthus &c

Believe me truly Your friend

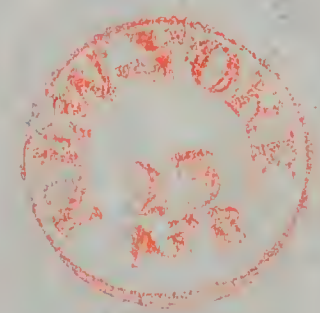
C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque
April 22d. 1819

Dr. John Torrey

Newyork



Dr John Torrey
Newyork

Philadelphia 1st May 1819

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dear friend

I have rec'd your's of 24th April & your Catalogue. I am sorry that you should not be better acquainted with post-office regulations; by enclosing several slips of the Vicia Mitchelli in y. Letter (which I did not require, as I wished you to send it with the other plants) I have been charged treble postage! and the plant has been broken to pieces in the bargain. 2y. It was useless to combind y. Catalogue, since bound books are carried by the Mail at the same rate than sheet books, paying by sheets.

I have wrote you two letters, the first on a whole sheet by mail, the second by a friend who has put it in the N.Y. post-office. You do not answer all the parts of my first letter, ~~yet as~~ nor tell me that you rec'd it; but as you answer some parts I conclude you have got it in due time.

I have perused y. Catalogue with much pleasure, the elaborate synonymical part is valuable, and the notes a real addition to knowledge. You must be well aware however that I cannot approve of the mistakes & blunders already criticised in Pursh & Nuttall, such for instances as the abominable name Epifagus exactly in the same predicament than Ammyrsine, nor Spartina, nor Smilacina &c. I have no objection to stand ~~as~~ among the synonymes where it ought to be; but I ought to have been quoted as author of the species in Callitriche terrestris, which I was the first to describe & yet I am not mentioned at all! & so on. What astonishes me most, is the Omission of many well known Newyork plants, & among them all my new ones lately described in the M. Magaz. except the Lemna Linnidiata, although some were communicated to you and for the others, if my eyes are not to be deemed as good as yours, ~~you must~~ you ought then to allow me, or any body else, if willing, to doubt also of your own accuracy. Why omit my beautiful Asclepias maritima so common near Gravesend? my Atriplex divica & my Atriplex mucronata which was published before A. arenaria of Nuttall although the same plant! My fine distinctions of the N. Sp. of Euphorbia, Arabis, Turritis, Cettis &c are unnoticed, yet you have an Euph. depressa without quoting any author, which is perhaps my E. supina! You have many plants of the Highlands & omit my Spirea obovata &c. I think I could make out a small supplement to your Catal. of ab. 100 species. I may send it to ~~the~~ Silliman's for publication if I find leasure.

I wish I knew on whose authority you have blended my Vicia mitchelli with the Lemna hirsutum of Europe, How & from whence did you get the conception, ~~it must have been blended not to~~ how did you not see the bearded stigma of my Vicia? here are the comparative distinctions of the two plants, see Flora Danica &c

Lemna hirsutum.	Vicia mitchelli
Stigma smooth! leaves linear obtuse. Calix & corolla smooth, seeds globose ~~the~~ pods pendulous &c	Stigma bearded underneath! leaves oblong cuneate retuse-mucronate, calix silvia, vexillum ~~pale~~ hairy, pods ~~studding~~, seeds lenticular or rather slightly compressed.

The best books on Algae are Decandolle French flora, Dillwyn Confervae, Lamouroux Thalassiographie. &c I am glad that you are going to correct the botanical Errors of Silliman's journal; but do not neglect the Zoological ones.

I shall leave the plants for you at Mr Collins, if I do not bring them myself.

Mr Collins once mentioned to me, when I was urging him to publish so many new plants of his Herbarium &c. That the first thing he would do, would be if he ever could! to describe the Carices & Grasses, & next to set us all right, meaning that he should endeavour to settle the Synonimy of us all.

A popular botanico-agronomical Work on our grasses is however a desideratum Such a one, you ought to undertake, unless you mean to give us a mere supplement to Muhlenberg, which might also be useful.

I have not seen the mineralogy of Boston. Yours of Newyork will be as good if you adopt the Sinoptical compact form.

I am now engaged on Erpetology. Mr Green means to undertake the Natural History of our Reptiles, & I am writing for him a Series of Letters to be published in Silliman's Journal, wherein I enumerate more than 250 N. Am. Reptiles, whereof about 50 or 60 New Ones, which I describe.

DORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I have not collected any remarkable or rare minerals in my late Travels, but many Organic remains, highly interesting.

Where is Mr Knevels? & Dr Eddy? what are they doing?

I am glad to hear that you conceive, ~~that~~ you may acquire gradually a more critical eye in Botany, since you have already perceived that you have been mistaken now & then. So have I, & every one else, and there is no shame, but merit to acknowledge it, since every own correction proves a degree of self improvement.

You will then probably be convinced that Gaultheria hispidula, which has been put into 4 different genera Gaultheria, Vaccinium, Oxycoccus & Arbutus, belongs to neither, by four chances out of five, & that it must form my N.G. Glycisphylla. That my Lithospermum tenellum is not a Myosotis and much less the Myosotis arvensis of Europe which I know well! That the Statice Caroliniana Walt. is not the St Limonium of Europe which I know well! &c

If you were to go & study the european plants on their native soils, you would soon become convert to my belief that out of the remaining plants now thought common to both continents, one half at least are yet different. This however does not includes Cryptogamic plants. The accurate Mr Bradbury is of my opinion & even carries it so far, that he ~~says~~ told me when I saw him in Kentucky, it would be better even to doubt of the identity of our Linnea borealis! than to admit it, without ocular comparison on the actual native soils.

Believe me Kindly Your good friend

C. S. Rafinesque

P.S. I wish you had enlarged of a page or two your Notes to give us the characters of Juglans hybrida & other plants not yet described.

Is it by an error of the press that My genus Hicorius has been called Hickoria? it might be Hicoria or Hicanya; but never Hickoria which is a barbarous unmodified name.

Send me (but not by mail) at your leasure y. 2 N. Sp. Cyperus, which I believe to have seen, also any other N. Sp. you can well spare & Schizea Arenaria squarrosa, lateriflora & such rare plants. ~~You m~~ They may be left at Mr. Collins.

Is y. Gratiola neglecta the common species, which I have found from Lake Champlain to Illinois & Virginia, & always deemed the Gr. virginica? Mine is known at once by its sweet scented flowers smelling like jasmine a striking character omitted by every one. or is it different & how? you have forgot to compare them.

Has y. Arenaria canadensis a compressed stem? is it then my A. compressa? ~~&~~ different from the Canada species?

Please to read the following Notice to the Lyceum, ~~&~~ then put it in Silliman's Journal.

Notice on the Myosurus Shortii.

I have the pleasure to announce to the Botanists, that the genus Myosurus hitherto thought an European genus & composed of a single species, has been detected in the United States by Dr. Short, of Kentucky, who has discovered it in the neighbourhood of Hopkinsville, in Christian County, West Kentucky, and has communicated me specimens of it; by which, ~~and~~ on comparing them with the European Myosurus figured in Flora Danica, Lamark's Illustrations &c I have been enabled to ascertain that the American ~~species~~ Plant must form a second species of that genus, ~~to~~ which I have accordingly dedicated to the discoverer by naming it Myosurus Shortii. This adds another genus & another New Species to our Flora. I add the comparative Definitions of the two species, exhibiting their different characters & diagnosis.

TORREY CORRESPONDENCE HERBARIUM

Myosurus minimus Lin. &c	Myosurus Shortii Raf.
Leaves linear-cuneate, broader near the top and acute. Scapes as long as the leaves, thickened towards the upper part. Calix 5 leaved, spurs consimilar: petals 5. Stamens 5 to 8. Carpophore as long as the Scapes	Leaves linear obtuse, hardly attenuated below. Scapes shorter than the leaves, and filiform. Calix 3-5 leaved, spurs membranaceous: petals 3 to 5. Stamens 10 to 12. Carpophore shorter than the Scapes.

Philad.a 1st May 1819. C. S. Rafinesque

Dr. John Torrey

123

New-york

E. J. Rodgers

Aug. 14. 1819

Dr John Torrey
Newyork

Philadelphia 25th May 1819

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dear friend

I answer your last Letter 10th May. I have made up a parcel of 26. 50 plants, new, rare, western, or grafted which I send you together with this, by Mr Mairet (Swiss merch.) who puts them in his trunk & will leave them for you at Dr. Mitchill, should he neglect it call for them, you will find his lodgings in the Directory. I hope some of those plants will interest you, give me your remarks on them particularly on the grafted. Let me know pretty soon as I mean to depart for Lexington in the early beginning of June say on the 3d. And if you can, send me immediatly those you have promised from New Jersey. If you have no private conveyance send them by the Newyork Stage. Mr Bogert has some books & plants rec'd from England for me which might all be sent together in a parcel or little box call on him & combine it, but let it be quickly done, as I cannot delay my departure. I have given up the idea of visiting my friends at Newyork before I go because I have no time to spare. Send care Lachlan Colling or A. Michely.

Let me make some remarks on my Newyork plants. Clonicla salicifolia cannot be A. cannabina, since it has the leaves of this & the fruit like A. rufocarpa, is it an hybrid? but certainly distinct from the A. cannab. of Philad.

I send you the Arabis falcata or canadensis of Philad. which has quite smooth. A. mollis is at least a striking Variety!

Turritis oblongata is not A. hirsuta, it comes nearer to T. ovata Pursh.

Asclepias maritima is distinct from A. variegata Elliott. he has not an A. pulchra, unless she means a Var. of A. variegata as you do.

Why not quote me at least in synonymy? & also for Aristida geniculata & Scutellaria nemorosa, Corallorhiza maculata the last if a variety only, is remarkable since the character lays in the labellum!

I do not pretend to say that you have willingly & knowingly omitted my names even in synonymy, nor that you will not allow me to be able to distinguish differences in plants; I think too well of you for that; but I will quote you an instance among many, where I could be inclined to criticise I could do it with justice on my side. I have distinguished, described & named 2 Atriplex. A. divica & A. mucronata! you take not the least notice of my A. divica; but you insert my A. mucronata upon Mr Nuttall's autho-

ity not mine, and adopt his name ? arenaria, a posterior one ! without even quoting my anterior name. The fair inference might be that had not Mr Nuttall adopted my species (changing the name) you would not have even inserted it, or called it again A. patula as Muhlenberg did! &c. & many others. Since my A. Lævica which is equally a distinct species is omitted, as if it was no authority, unless it is your A. laciniata while it is neither that nor A. hantata. Read the character & compare! So much for 2 plants. I could fill a page of similar (apparently) oversights, but which some people will take as usual for judgments!

My Euphorbia lupina has obtuse ovate-oblong leaves 1 nerved, & flowers fascicul. while my E. littoralis, has ~~ovate~~-rounded cordate acute leaves 3 nerved & fl. solitary now which is your E. depressa? you dont describe it, & omit my 2 species!

Your Myosotis arvensis, is not even a Myosotis, it has no scales, it differs from the European M. arv. by having white flowers, seeds lenticular, leaves obtuse, upright &c. I have just examined the plant again in Jersey, I could not see any scales in 100 flowers which I dissected. Every has the M. arvensis of Europe any scales? I have sent it with 120 other doubtful or new plants to Decandolle. We shall hear what he says. — I recommend him to look sharper than Kalm, Linneus, Michaux, Pursh ~~&c~~ Muhlenberg &c I can have no reliance in their opinion while I see they have blended so many of our distinct plants with the European, witness Impatiens noli tangere !!! &c. The error arises from trusting to memory & habit, without comparing the plants or their figures & their descriptions accurately & minutely. — Even in Europe lately among the fruit-trees, Decandolle & others have ascertained many new unnoticed species, taken by Linneus for varieties or omitted. It is better to draw the attention by distinguishing the species accurately, than to let them pass unnoticed by neglect.

Yr quotation abt Kalmia latifolia does not apply, because it is impossible that a single doubt could exist now exist: yet remember that it was deemed formerly a Rhododendron, it was Linneus that distinguished it! It will be only when all genera & sp. shall be properly ascertained that our attention may be drawn to investigate the full nat. hist. of each plant, till then we shall lay too much stress on correcting each other!

Now for the Gratiola I fear you overshot the mark, yours is probably the real G. Virginica of Gronovius & Linneus &c. that of Elliott will then be a new species, not ours. I have found ours from Vermont to Virginia & Illinois, distinguished every where by the jasmin-smell.

CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Seeing that there is a poor chance of ~~our~~ the Amer. journals reaching the Naturalists of Europe, I have sent lately to Mr de Blainville of Paris, editor of the Journal de physique et d'hist. Naturelle, 3 Papers for his Journal 1. On 70 New genera of Amer Animals principally fishes, Shells & Mollusks. 2. On 50 New genera of Amer plants 3. Remarks on the Works of Rafinesque, Nuttall, Elliott, Muhlenberg, Barton, Torrey &c.

Among the New genera are some discovered by Bradburn. Some which I have ~~dedicated~~ formed with new species Discovium, Leptina, Galactis &c. Some with old species such as

Cythagorea —	Lythrum virgatum &c —
Ulophilia —	Monarda ciliata &c —
Platibida —	Rudbeckia columnaris
Lepachys —	Rudbeckia pinnata —
Notrima —	Aristolochia sipho &c —
Eatonia purpurascens	Holcus striatus (balloted in 4 or 5 genera!
Distichlis —	Festuca distichophylla &c — (
Torreya —	Cyperus diandrus & cespitosus! &c &c &c

There are also 3 N.G. of fungusses & 3 of Algae —

I have sent to Silliman several other papers. 1. On the Nest of G. Aplin from the Western St. 2. On some N.G. & N. Sp of fresh water ~~& land~~ Shells from New York. — 3. On a N.G. of plant Daistoma aurea differing from Gerardia by a rotate corolla & foliaceous unequal calyx, besides having stamens & innocuous anthers. I had previously called it Gerardia daistoma.

You speak of Mr Leconte's Simopsis Senior MS.t Will it be published & when? I don't expect much from it except in Southern plants & Elliott is before him, as Nuttall does for improvements on Genera. He will of course hardly think my own discoveries worth mentioning. If he does so ~~I must perhaps to~~ he might deserve that I should give new names to all his new plants or change my names & send them to Europe for publication; ~~that would be serving right such a behavior~~ What would Mr Nuttall say if I should have done so: he would not blame me ~~without~~ for following his own example.. I now & then wish to do so; but the fear of ~~errors~~ increasing the present Confusion has prevented me; ~~but~~ yet I may some day overcome that fear, as they have —

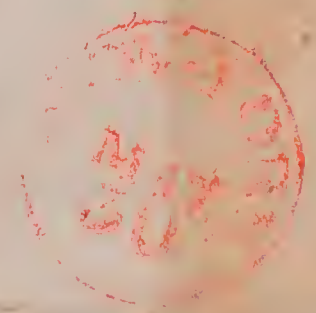
I am now sending two Collections of plants to England & France each of ab.t 300 species. I will ~~send~~ collect you all the rare plants of the East if you will collect me those of N.Y. which I have not yet.

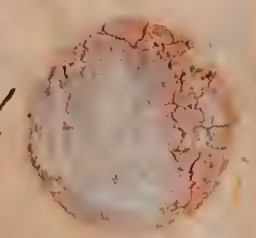
Believe me always Your friend — C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr. John Torrey

Newyork





Elias Boudinot

Dr John Torrey
Newyork —

Philadelphia 9th June 1839

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear friend —

Your favr. 1st Inst. was not recd in time to be sent by Dr Mitchell, as I should have wished. I now answer it in haste because I am going to morrow to Baltimore on my way to Pittsburg by the Cumberland Road. Dr Mitchell forgot to bring me the books & plants thinking I was already gone. I trust you will speedily attend to forward them here to Mr Colling as you promise.

I am not in time to send you the real Acnida Cannabina with smooth seeds, you may get it from any one, my A. salicifolia has the fruit very similar to A. cannabina but the leaves different, is it an hybrid?

How can I help making use of our literary Journals to publish my discoveries? Since the booksellers will not publish technical botanical works, unless they are compilations! I must then send to Europe, & so am I now doing, yet I shall publish much in the appendix to my travels, if I can squeeze it in, without injuring the printer! It is the duty of the compiler, to look out for materials any where.

The Euphorbia hypericifolia, E. maculata, E. polygonifolia, E. thymifolia, E. supina, E. vermiculata &c are all distinct species, I have seen them all in the Un. States.

Elliot's work although highly valuable, will never be more so than Linneus, & if he was, Linneus was first & his Gratiola Virginica cannot & must not change name: if it was, Gr. adorata would have been better than G. neglecta, since it was not neglected by any body!

If my Latonia, or the Aira obtusata alone has rec'd a generic name by Beauvais & if it is a good one, it must prevail; but pray what is that name, you do not name it nor quote it in yr. ~~and~~ Catalogue.

The number of Styles, Stigmas & Stamens, is in my opinion, ~~are~~ as important among grasses than the number & shape of the glumes whence I shall make N.G. of all those species having a difference in that respect, else Oryza would be no Genus. It is on that score that I divide the G. Cyperus, Scheenus, Scirpus, Festuca, Carex &c and that the new Morea is based, is not also the seed different? the shape of the seed affords now excellent generic characters in grasses.

I am fully aware of the ill consequences likely to follow my plan of botanical warfare &, & do not even approve of it, if I ever shall put it in execution, it will be in a fit of ill humour, & I may afterwards be sorry of increasing the difficulties of Synonymy: but the consequence of evil is inevitably evil! I shall not begin the first to do evil.

My paper on Dillwyna barbata (not Linnæa which is Moluccas fragrans) was wrote & sent to Mr Gillman in January or Feb 1818. Nuttall's Gen. was published in July; it is not my fault if Gillman has omitted to date my paper. I should blame myself had I done otherwise. I am no plagiarist, until by robbing me, the robber will perhaps oblige me to pluck them in their turn. — Yet you know that by robbing me of Zoylon & Nuttal would not have complained should I have robbed Graspin & Synandra, yet I have for the benefit of Science given up my claims to ~~Dillwyna~~ both them!

Are you aware that Calamagrostis although admitted ~~by~~ though might perhaps by the great botanist Decandolle, is an horrible compound name formed of Calamus & Agrostis? as Arundinaria was!

I hope our friend knew & married with the consent of his parents, if he did all is right, it is quite natural to pick & choose. If I had not thought that he was half engaged with Miss D. I might have fallen in love with her myself & not got over it in half an hour. She deserves a good husband, I hope that if you meet her again, you ~~will~~ may fall in love for a period not quite so short! Amen.

I shall write you from Lexington & give you some account of my journey over the Mountains of Maryland, which have not been visited by many botanists. I shall be there early in good season. — Write me where you send your letters, in your letter in the parcel or by.

Believe me truly

Your good friend
C. S. Rafinesque
Prof. Bot. &c. in the
Sch. of L. K.

FORMER CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

C. S. Rafinesque

June 19th 1819

?

Dr John Ottow
Lunenb.

N. Dr. Elford Keeper of the British Mus.
London, wishes Amer. Insects, write him in my Name
& send him some, he will make you handsome
returns & it will be a valuable Compliment.
Also Mr Wm Swainson of Liverpool, lately
returned from Brazil & South Coll. Adv. of L.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My Dr. friend — Lexington (Ky.) 10th febry 1820.

I have recd in due time your kind lr. of Decr. last, which I shall now answer by a private conveyance. I have made up for you a fine parcel of plants & other trifles which will be sent on up the River next month. As I know your fondness for grasses, I send you a specimen of nearly all the grasses collected in this State, most of them without names as I have not yet determined many of them; but they are numbered & I request that you will study them & send me your opinion on each referring to the number. I hope you will find some interesting ones among them, for instance my N.G. Diarina the Festuca diandra of Michaux &c. I shall send you also the seed of the Cane Miegia arundinaria which make good bread & those of the Nelumbium pentapetalum which are excellent to eat, & almost all the plants you ask. You will receive this Box through Philad.a & the hands of Mr Thomas T. Leaming, Mr Clifford's friend. Any thing for me must be left with him & Mr. Collins knows it, by which means they are forwarded along with Mr Clifford's things & to his care which is safer perhaps.

I congratulate you on your chemical discoveries & hope to see them soon appear in print under your name. You ought to have remembered that I had told you long ago, that I had undertaken a labour on the Fuckalves of America & had observed several species 2 or 3 of which are Sclerotium, & yours Scl. giganteum one of them, another is a N.G. Gemmularia, it differs from Sclerotium by soft than covering & reproduction by gemmula outside. 1 or 2 others are real Tubers, & several are tubercles of Apios & other leguminous plants. — We have found near Lexington great quantity of that rare mineral Carbonate of Baryte, do you want specimens of it?

Your Hippuris Americana is probably my Hippuris polyphylla flora ludoviciana! why a new name?

Bridel's Methodus Muscorum is not to be got probably in America else I should like to have it.

I have given long ago your address to my friend Wm Swainson of Liverpool who will write you, he is a zealous naturalist, botanist & entomologist, his father Collector of the Customs is also zealous. You will do well to cultivate his correspondance & you may exchange with him insects & plants.

I have sent you by mail One of the Prodromus of a New Scientific Journal to be published at Bruxelles by 3 great naturalists in French & on a large scale under the name of Annales generales des Sciences physiques. Present it to the Lyceum & let your friends notice it. I have prepared 12 Memoirs for that Journal, which shall be sent next March, such as 1st a Monography of American Roses 32 species! & 28 Varieties. My New Species

are Rosa glandulosa. R. Kentukensis. R. trifoliata. R. elegans. R. Carolina. R. globosa. R. pratensis. R. riparia. R. obovata. R. serrulata. R. nivea. R. daristema — Mostly from the Western States. & R. pusilla.

2. Natural affinities of the genera Samolus, Viscum & Viburnum

3. Monography of G. Lustachya (Leptandra Nuttal) 4 Species.

4. Analytical View of the Orders, families & genera of the Natural Class Endogynia — & Sub Class Corisantheria.

5. Principles ~~du Systeme de l' Univers~~ of the System of the Universe —

6. Monography of the fossil Turbinolias of Kentucky — 16 New Species

7. New genera belonging to the family of fossil Terebratulates Gonotrema (30 species) Dielisma, Clipeilus, Rewinia, Anophomenes &c.

8. Monography of the Bivalve fluviatile Shells of the Ohio & tributary Streams — 66 Species (60 New Ones) & 40 Varieties contained in 14 Genera of which 9 New ones Lampsilis. Truncilla. Metaptera. Obliquaria. Obovaria, Amblema. Rexrobema. Lastena. Notrema — &c &c

My Natural history of the fishes of the Ohio progresses monthly in our Review, I have 250 copies struck off apart. I shall make a pamphlet of it which I shall dedicate to Dr Mitchill. You shall have it in time, ~~about~~ nearly 100 New Species will appear there at once! — Read the above to the Lyceum

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I shall send you some Bivalve Shells for the ~~that~~ Lyceum; but you must send me a plant for each & then you may present them in your name —

Mr Clifford sends on this Spring, more than 500 Specimens to Baltimore Liverpool, Paris, Ginevra, London &c; but he is determined to send nothing more to the Academy of Philad^a (nor the Lyceum of Newyork) who are but selfish beggars, they refused to give him a specimen of which they had 12! although they had rec'd many thing from him. That plan will not do.

A parcel of shells were sent by Mr Swainson to me for Mr Clifford last Summer to Newyork care of Dr Mitchill, please to enquire after them & forward them together with some new plants &c and the annexed package of books, I have just heard of, to have been received in Newyork for me in the Sch Aurora from Hamburg. I have just rec'd the following Note by mail — Mr C. S. Rafinesque Schmaltz, will please call at Mr A. R. Edwards N 53 South Street to receive a package of goods marked R.S. consigned to you p Sch Aurora Capt Warren from Hamburgh. Newyork 13 Septr 1819. — I enclose you a Bill lading of it. Please to withdraw it for me, & send it on to Mr Th^s T. Leaming of Philad^a with orders to forward it to Mr Clifford & he will pay you the freight & charges. Excuse the trouble.

I understand Carburn has failed & Silliman's journal is yet suspended is it true? I wish it may soon come out again I have many Memoirs laying as usual for a year or two; that is shameful, the object of a scientific journal is defeated when Discoveries are delayed in that way —

Our University has published its Catalogue for 1820 & it contains 16 Professors & Tutors. 202 Collegiate Students & 34 Medical ~~Medical~~ Students.

My Compliments to Dr. Mitchill & all friends to Nature &c.

I send you beneath the Description of my Eustachya purpurea for Silliman's journal or the Journal of Lyceum if ever to come out.

A member of the Lyceum has published a Description of Wisconsin; ~~you~~ as Newyork pray get it for me & send it on to Mr ~~Cliffor~~ Leaming for Mr Clifford, as above; he will also pay you the cost on Mr Cl. Acct.

Who has wrote the geological Descript of the Hudson as far as Newburgh?

When you write me send me news, &c of all Kinds, you know what will interest me Discoveries, Publications &c.

Believe me truly Your friend C. S. Rafinesque,

P.S. How fare your friend Knevels with his pretty bride

And where is now Eaton, I heard last he was returning at Marison —

Nuttall has made great botanical discoveries on the Arkansas where he is still. — Baldwin made ~~fatal~~ discoveries, death. — Say has discovered several new Insects, Birds &c; but they hardly do more than I, altho' quite alone & unsupported.

LUDLOW & SANFORD CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Notice on the Eustachya purpurea

The genus Eustachya was established by me 12 years ago under the name of Callistachya; but I changed that first name as soon as I saw that an Australian genus had also received it. Mr Nuttall without taking Notice of it, has established it again under the name of Leptandra. It belongs to the Natural family Pedicularia, along with the genera Pedicularia, Wulfenia, Calceolaria, Bowla &c. There are 4 species of it. 2 in Asia E. cerulea (Veronica Sibirica L.) 2. E. japonica. (Veronica virginica Thunberg. & 2 in North America. 3 E. alba. (Ver. virginica L.) & 4 E. purpurea — a new Species found in the Barrens of Kentucky Tennessee, Virginia &c —

Eustachya purpurea. Stem cylindrical smooth, leaves ternate, sessile, ovate lanceolate, acute at both end, unequally serrate, stamina double the length of the Corolla. — Flowers purplish, spike solitary angular verticillate dense.

It differs from E. alba, which has white flowers, shorter stamens, leaves lanceolate 4 to 6 in a whorl acuminate, with a short petiole &c, and from E. cerulea which has a hispid stem, leaves 6 to 7 in a whorl, flowers blue &c — Lexington 10th feby 1820

C. S. Rafinesque

C. S. Rafinesque
Lex'ton. 1820.
Recd. April 20.

Dr John Torrey 25
Member of the Lyceum &c &c.

New-york.

2
APR

9/28

Lexington Ky. 14th March 1820.

My Dear Friend

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I wrote you a letter about a Month ago, and according to my promise, I have already forwarded you together with Mr Clifford a Box of plants via Pittsburg & Philadelphia. It will be forwarded to you by Mr Thomas Leaming of Phil: or you may apply to him for it. The plants sent you consist of 3 parcels. The first contains about 50 Species of rare & new plants, upon which I should be glad to hear occasionally your opinion. The second contains 66 Specimens of your Grasses, which are mostly without names, as I have not been able to study them yet; but they are all numbered, & I have left a record of corresponding Numbers. It is my wish that you should study them all at your leisure & give me your opinion on the whole. That will be a pleasure to you who are so fond of Grasses & will greatly help me. You will find that several may be new Species, and I hope that you will be pleased upon the whole with this little Specimen of Kentucky Agrostography.

The 3d parcel is sealed & directed to Mr Colling of Philadr As we did not send any thing else to Phila: & did not wish to have your Box opened there, I must request you will forward it back to him there, as soon as you can, or along with your own next communication.

I have added to the plants a few truffles & Mr Clifford has been induced at my request to fill up the box with Specimens of Kentucky fossils &c which it is his request & mine, you should present either to the Lyceum or to Mr Bugert, or to Dr Mitchill or to any body else that will accept them in exchange for something else, but if nobody will give any thing in return, please to keep them by you at your future disposal. You may accept in exchange either American or foreign specimens of fossils, Polypes, or any thing which you may deem an equivalent.

I hope that what you have promised to send will crop with this Box. & that you will on reception of this, make me an adequate return in your rare plants &c. I mean to send you another Box in a month or two with many Shells & fossils & minerals &c.

In my last letter I have sent you Bills lading of some books for me arrived from Germany per steamer Aurora Capt Warren to be called for in my name at Messrs Edwards & Co 53 South Street. I repeat the request to send the parcel of books the two parcels rec'd from Cincinnati by Dr Mitchill &c to Mr Lawrence of Portland who will forward them to Mr Cliffen. But I have forgot to request you to call on Mr Holley in my name & desire him to give me at least one set of the 3d & 4th Volumes of the Amer. Monthly Mag as I have not yet got them notwithstanding several applications. I hope he will comply & send them on together with your Plants &c.

New York April 1st 1829

Received April 26

Rafinesque 1st Mabel sent May 1829

I have delayed sending the above until my Annals of Nature should be published. I have just published the 1st Number & mean to publish a similar one annually. This contains 25 N.G. & 124 Sp. I have sent you one by mail already & to many friends in Newport. I mean to sent you half a dozen in a few days, which you may distribute for me, give one to Mr Eaton with my compliments.

Tell the Rev. Mr Schaeffer that I shall send him & to be sent to Germany to his friends. Ask him if he has ever rec'd any thing from them for me. My Mat. Hist. of the Fishes of the Ohio will only be concluded in the fall. It will be a valuable addition to Ichthyology.

I send you a Paper for the Recorder next for Silliman's Journal.

Believe me as usual Your sincere friend C. S. Rafinesque

(Description of the Pelpa series) sent to Silliman

GREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Lexington Ky. 1st July 1820

Dear friend

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I have not heard from you for a long time past. I hope you have rec'd my last letter, informing you of the box sent you care of Mr. Thomas F. Leaming of Philadelphia with plants &c. This letter goes also through Mr Atwater's politeness and free of postage — but instead I send you by mail 12 Numbers of my Annals of Nature for England, which please withdraw & debit me 24 cents for the postage, sending them afterwards by the first opportunity to Mr William Swainson of Liverpool (son of the Collector) who will have the goodness to distribute them for me. I advise you by all means to begin a Correspondence with that friend of mine, who is a zealous entomologist and Naturalist, he wants to exchange American insects &c for English and Italian and Brazilian. He will perhaps write to you; but you may do the same in my name. Mr Swainson is an intimate friend of mine whom I knew in Italy & have also been to Brazil where he has made many discoveries.

You have long ago rec'd my Annals of Nature, I sent them by mail to all the Naturalists and Botanists of the United States at least to such as I knew, and to all the great scientific societies. I have already accounts that this small pamphlet has been well rec'd and judged rightly not by its size but its contents. I have ample materials for a second Number, but I shall not publish it till next January. I prefer having one out every year, and do not doubt to find materials.

I sent you an order for some books sent in Mr Ingalls box from Germany. I have not heard of them, nor have I as yet any positive news of the books, plants &c to be rec'd by him but from Mr Swainson for ~~being~~ for me, being yet on their way. This is somewhat Strange. I hope you will do me the favor to receive & send all those different parcels together as directed. Mr Swainson & I are anxious to have them, having been so long on their way. You will no doubt add something of your own to them.

You have probably heard by the newspapers of the death of my worthy friend John D. Clifford, last May: this has been a severe loss to me, and to our town. It has defeated many of the projects which we had made for the benefit of Science. I must endeavour to proceed by myself. His Cabinet will probably be annexed to our University. The exchanges may be sent to me. As it may appear awkward to send mine to his care my specimens, they may be sent care of Messrs. Wilkins & Co of this ~~pla~~ town.

I have visited last May the Cliffs of the Kentucky, Dick River, Harrodsburg, Pleasant hill &c and found many rare plants, some new ones, and even new genera &c. I have also discovered 2 N. G. near this town in April &c. and you annexed an Account of them for the Lyceum, and I have specimens for you. I want to have this published in Silliman's journal, if you can induce him to do it; but I think myself ill treated by him, since he has not published a single one of my papers in his last Number, although he has about a dozen of them, some of which have been on hand 2 or 3 years. That is shameful. Please to write him and send him the 3 N. G. if he promises to publish them, or else if return them to me &c. I shall publish them in the Western Review. Avail yourself in that case of Mr Caleb Atwater's frankage as postmaster of Circleville Ohio.

My compliments to Dr Mitchill. Tell him I have sent him some twice sets of my Natural history of the Ohio fishes by mail. I have rec'd from him or Dr Coxe by mail the Medical Repository and handed it to the real editor of the Western Review Mr. W. Gilliat, who will forward them the review in exchange. Let them send henceforward the Repository directed merely to the Editor of the Western Review.

Give me news. I have heard of the establishment of another Lyceum at Troy with Mr Eaton for professor. I have rec'd a Letter from your friend Mr James Healy of Cork in Ireland, which I am going to answer, and shall begin exchanges with him through you or Mr Silliman.

Believe me, dear sir truly Your good friend

C. S. Rafinesque

P.S. Has not the Rev. Mr Schaffer rec'd anything for [illegible] I have sent him 3 copies of my address for his friends there. Not de

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

P.S. If Mr Silliman refuses to insert the 3 N. G. send them to Mr Irving who will have them inserted in the Journal of the Royal Institution

Character of Three New genera of Vernal Plants from Kentucky, belonging to the Ettrogyne & polygyne plants by Prof. C. S. Rafinesque.

I. G. Hectyson. Calyx unequally 4 parted persistent. Corolla with 4 unequal petals. Stamina 8 longer. Pistils 4 unequal, cuspidate in a persistent slender style. Capsule 4, monospermous, membranaceous, cuspidate opening inside. Seed oblong. Next to Sedum & Rhodimus.

Hectyson sagittatum. Smooth, stems erect simple: leaves cylindrical scattered obtused, base sagittate semiamplexicaule. Umbel polyplachious, spikes recurved, flowers all unilateral above, bracteas sagittate, divisions of the calyx cylindrical. petals hardly longer than the calyx, lanceolate carinate acute. = On the Cliffs of the Kentucky and Rick river on rocks. Flowers white & flowering in May. Annual. Stems 2 to 4 inches high. It resembles Sedum pulchellum Mx.

II. G. Eremion. Perigone simple corollifform with 5 coloured equal deciduous petals. Stamina many unequal filaments club-shaped, anthers bilobed small. Pistils 2-5 (often 4) ovaries ovate angular unequal. Styles as long persistent, stigmas thick truncate. Capsules 2 to 5 (often 4) stellated ovate ~~nearly~~ unequally quadrangular, cuspidate opening on the internal angle, monolocular 2 3 sperme seeds ovate, inserted on the ~~lateral~~ dependent suture. Next to Caltha & Cornia; but habit of Thalictrum.

Eremion biternatum. Roots fibrose with scattered oblong tubercules. Smooth. Stem erect angular somewhat branched. Leaves biternate the radical ones on long petiols, caulinar sessile with rounded membranaceous stipules, folioles 9, trilobe or trifid & venose. Flowers terminal subsolitary, petals obovate elliptical obtuse. = Near Lexington and Harrodsburgh in woods. It blossoms in April, flowers white. Stem 4 to 10 inches high. Appearance of Anemone thalictroides. Perennial.

III. G. Stylypus. Calyx campanulate persistent quinquefid, divisions equal and reflexed. 5 petals deciduous perisomic. Stamina many perisomic, filaments persistent connigerm. Gynophore cylindrical elongata like a long pillar ~~in the fruits~~ bearing the seeds. Pistils many capitated on the top of the gynophore, ovaries ovate oblong compressed gibbose, style twisted geniculated persistent, stigmas truncate. Next to Dryas and Geum.

Stylypus verus 3. Stem simple pilose. Leaves pinnate, stipules laciniate,

foliolos ovate or obovate laciniate, the terminal larger sessile, laciniis acute pilose-cuspidate. Flowers in a terminal corymb dichotomous cyme, with two opposite sessile leaves at its base. Petals suboboval, not longer than the calyx. Seeds smooth. = Near Lexington and some parts of Kentucky. It blossoms in April. Petals yellow very small. Perennial stem commonly one foot high. In woods and meadows.

Transylv. Univ. 1 July 1820.

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque
July 1st 1820
Rec'd July 25th.

Dr John Torrey
Vice President of the
Lyceum of Natural History
New York

Cincinnati Ohio
July 11th 1820

Rec'd
Caleb Atwater
postmaster

free
Caleb Atwater
postmaster
Cincinnati
Ohio.

Dr. John Torrey
Newyork

Lexington Ky. 1st September 1820.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I have now before me, my dear friend, your interesting letter of the 28th July, forwarded me by Mr Atwater. After having been so long deprived of your news, I rec'd it with great pleasure, and it has been highly gratifying to me to hear that you and the Lyceum do so well & improve instead of declining.

I thank you for the names of the grasses, I shall verify them & let you know the result, meantime do not neglect to look again over N. 20. 43. 46. 60. 61. 65 & 66. which you have left nearly undetermined. I shall now make only a few remarks Dichsia is really A. dicendra Mx see his figure, not A. brevifolia Mx. a second sp. of this genus?

The Melothria pendula L has red berries, is not, poly gamous &c.

Betula rupestris belongs, together with B. pumila, nana & glandulosa to an intermediate section between the Alders & Birches having the habit of Alder with the flowers of Birch. (How can you say that it will not serrulate? which I know so well) It has several stamina, and a lenticular winged seed as in B. pumila; but the scales are peltate-cuneiform & 4 lobed, in B. pumila trilobe!

I have published the Hydranthes gratiotioides, under the name of Hyganthes riparia in Annals of Nature 16. 96. I wonder that you can mistake it for Lindernia attenuata. 1. It differs from Lindernia by having a quite unilocular capsule, the filaments not ~~forked~~ and the upper lip bidentate with 2 remote teeth separated by a broad round sinus. 2 It differs from ~~L. pyxidaria~~ L. attenuata by the leaves not attenuate remote toothed, peduncles as long as them, calyx not serrulate &c. See Elliot's description & mine.

I thank you for having got the books from Germany. Since then, commit only several copies of Flores, please to send me immediately one set by mail & sell the remainder among your friends or keep them at my disposal. Your box has not yet come to hand. Mr Collins has not wrote me for a long while, please remind him of it when you send him the packet of plants. He knows well that he has only to leave any box for me at Mr Legrand's.

You do not speak of the Annals of Nature; they have been sent by mail to you & all my friends in N.Y. &c. I have heard already that they have been rec'd in Albany, Wilmington, Philad. & New haven. I lately sent you 12 other copies to forward to Mr Swainson by first opportunity. Do not fail to enter in correspondence with him, he is very zealous particularly in Entomology, Conchology &c. You will be pleased with him.

Pray what is become of Mr Eliot & his work? I have not heard from him for these two years: has he left off, or is he proceeding, I have only N. 1 to 5. I wish he would send me the remainder by mail, tell him so whenever you write him.

I am sorry respecting the mistake about the shells of Mr Swainson. His letter to me is positive, they were for me & he sent me their catalogue. Pray make some enquiries, & ask them in my name from Dr Mitchill. Else I must write to Swainson again & it will be long before the mistake is rectified.

Do not fail to dispose of the fossils, and make returns, The Museum of Mr Clifford will probably become annexed to our University, and all returns due for the fossils be added thereto. Send them to Mr Thos. Leaming of Philad. telling him to forward here, & that the box containing something for me & the museum. He is one of Mr Eliot's executors.

I have not made long journeys this year. The death of Mr E. has deranged our plans, but I have made several excursions to the Cliffs of the Kentucky & the Knob hills. It is only there that a rich vegetation is found. Here in the rich limestone plains, the number of plants is very limited, more so than in any region of the Temperate Zone, all the woods are tufty parks. I think that only 600 species of plants grow within 10 miles of Lexington on every side.

I have lately undertaken a new study, that of our Alleghanie Monuments. I have surveyed about 50 of them & begun to publish much upon them in the Newspapers & Ed. Review. Some of them are wonderful & even sublime.

T. C. REY CORRES. HERBARI COLUMBIA UNIVE

I have been told that the Carbonate of Baryte is a most rare mineral & sells very dear in Europe. We have here a Mine of it ~~& also of Pb~~ often mixed with Carbonate of Lead. Pray would it be a money speculation to collect it & send a Ton of it to Europe? what do you think it is worth? & how much with you. I have been positively told that it has been sold as much as Silver ore in Europe—

A pupil of mine is become a zealous entomologist & has collected this Spring & Summer about 1800 Insects belonging to about 600 Species, many are new I think; but I have no work to study them upon, except Latreille's genera &c. Is it possible that there should be no Species Insectorum as yet, and no Fauna American Pray turn your attention that way, and give us an Epitome of the Known American Insects. That first Step will lead afterwards to great discoveries. I have almost a mind to describe all our Insects as new, since it is impossible to ascertain which are not; that is better than letting them alone forever.

Prof. Silliman has behaved as a Sillyman with me (that is between us)—I complained that he did not insert a single one of my tracts in his th 5. having 18 on hand, and he has called my just complaint a recrimination & sent me back all my tracts (the 3 last sent him through y' means excepted). These Yankees are very ticklish! It would be hard for me to be ~~the~~ excluded forever from ~~the~~ his journal. I must make it up & pray do your best in my behalf. It is hard to be compelled to send my discoveries 5000 miles off for publication. I hope he does not behave so with you; but you do not crowd him with discoveries. I verily believe he was bewildered with mine—I cannot yet think that his jealousy of me as the philadelphians are because I can do more than them, and was not born on the banks of the Schuylkill.

I thank you for all your news which I notice with pleasure—do tell me every thing of note. I experience somewhat the same difficulty with our W. Review, I write for them more than they wish to publish. I am going to establish Next Year a New quarterly Journal with some friends called the Western Minerva or Annals of Knowledge more of it hereafter. If I had 6 such Journals they would not be enough for me—. It is a pity the Lyceum will not begin their Annals. I have sent this year 20 Memoirs for publication to Europe. I have just finished a very interesting one on the Smells of plants or Vegetable Odors, which I divide in 2 Classes, 6 Orders & 130 Genera! to which I reduce about 5 or 600 American & European plants.

CORRESPONDENCE
HERBARIUM
VIRGINIA UNIVERSITY.

I would have proposed the following Seal for the Lyceum. A Beaver and a Rose with the Motto "Labour and bloom".

I am not in Corresp. with Mr Schweinitz: but have sent him my Annuals. I shall collect some seeds for you. Our two Navies, Coffee tree &c —

I am glad to see you Correspond with Sprengel, Treviranus, Agardh &c. I should like to enter in Corresp. with them if I could extend my already extend. list of Correspondents. In England, Ireland, France, Switzerland, Italy, Netherlands &c I have more than I can attend to. I shall send you soon some other Copies of my Annuals for your German friends. You must not expect any thing material from me till my Chemical Course of Water now engaged deeply in collecting shells for Lucainfin, who has agreed to give me ~~two~~ 6000 plants for 500 specimens of our freshwater shells —

Believe me Very truly — Your friend & C. S. Rafinesque

PS Do you want to increase yr. Correspondence? I could procure you many new friends in Europe

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque
Sept 1st 1820
Recd Sept 25th.

Dr John Torrey
Vice President of the Lyceum
of Natural History
New York
Free

Dr John Torrey
Newark
Newport —

Washington City 1st Dec 1841

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Friend — Yours was received in reply to two letters I sent you, one a third by private Conveyance with another Completion of the Lichens Illinoiensis. The Journal is now printing & will appear in January or February. We have already about two Centuries; but I am anxious to pay the Charges — I hope you will have got some Sets into their Hands when you write & pray let it be done. Have you any and something for the Illinoiensis —

I am astonished that you have not yet heard more the Lichens Septentrionales — The Copy by mail was I told you I must forget it — I am told that it was Boxed & carried, but it has been running there ever since & is hard to make good Exchanges.

Could I exchange 2 or 3 Copies of the Illinoiensis for the new Journal published in Norwich by Lt Gunnison & the Lichens Septentrionales? Try —

Sell as Pilot hill Shop & all apply to the Illinoiensis for the Precisest Repository of the Lichens —

My collections of the Ohio will soon be over & I have finished the supplement & contents are as follows in all 100 of which one Mos.!

Have you rec'd all my late letters? Have the Specimens of Mosses & Lichens been forwarded to England? —

I am urged hard to go to Great Britain & Europe & I may yet be induced to do so.

Do let me hear frequently from you & believe me always your sincere Friend —

Dr John Torrey

Vice President of the Lyceum of

Natural History

New York

WESTERN MINERVA,

OR

AMERICAN ANNALS OF KNOWLEDGE AND LITERATURE;

A QUARTERLY JOURNAL TO BE PUBLISHED IN LEXINGTON, KENTUCKY.

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

UN PEU DE TOUT.

PROSPECTUS.

THE eminent station which the Western States of America have already reached, and the glorious fate which awaits them, if they continue their rapid strides towards moral improvement, real knowledge and social wisdom, warrant the belief that the period is come when they may begin to evince their literary attainments, and furnish evident proofs of their capacity, by the establishment of permanent vehicles of learning, wherein those who are able may unfold their ideas, and those who are willing may reap instruction and pleasure.

PROMPTED by this motive and the wish of promoting and increasing the sphere of human knowledge, of aiding and fostering the study of chaste and classical literature, but principally to elicit and cherish American ingenuity and sagacity, we are induced to add our humble attempts to the literary mite of our country. It will be our constant aim, in every topic introduced in our pages, to enlighten the mind, direct the judgment, cultivate the understanding, or entertain the imagination of our readers.

ALL the Arts and Sciences may find a place in this Journal; but we mean to publish principally Novelties, American Discoveries and Improvements, with Original Tracts and Essays upon every subject, both in Prose and Poetry. We shall not fail however, to give sometimes a compendium of the most important discoveries in science, increase of knowledge, and classical writings, produced in Europe or elsewhere: likewise translations of short but interesting tracts, or selections from foreign literary journals.

THE knowledge of the Western States, their Statistics, Geography, Geology, Antiquities, Civil and Natural History, will form a prominent object of our labours.

WE may sometimes give the Analysis of important works; but it is out of our plan to review at large new publications: there is already in this town a Journal established for that express purpose, and the numerous reviews printed elsewhere ought to satisfy all those who cannot read and think for themselves.

WE have also in the United States enough of political and religious Journals to gratify every class of readers. Local politics and sectarian controversies shall therefore be excluded from our pages; but political science and metaphysical disquisitions will be admitted. In general, literary, scientific and useful facts or thoughts will be our main scope; although we do not mean to preclude any other kind of writing or style. We wish to render this Journal a kind of Cyclopædical Repository, in which every subject may occasionally find a place. Such a Journal is wanted in the United States, all our periodical literature being limited either to Reviews and Belles Lettres, or mere parts of Learning, and but too often devoted to selfish, pecuniary or illiberal views.

SEVERAL literary and scientific gentlemen (and even some ladies) have pledged themselves to conduct this Western undertaking, and to contribute regularly to it. They disclaim any kind of private motives or mercenary views. They will endeavour to render this Journal a literary and open vehicle of general interest and utility. These disinterested and liberal motives ought to recommend it to the notice of the friends of knowledge and emulation, and we trust that their labours will meet with the approbation and support, of all those who may feel a share of interest, for the reputation or the physical and moral improvement of this Western Region.

THE co-operation of all our enlightened citizens is respectfully solicited. Every communication offering any new discovery, view, theory, hypothesis, idea or hint, every original essay of a practical or moral tendency, or even of an entertaining nature, will be admitted with pleasure; they may be directed to the *Publisher* or the *Editors* of the *Western Minerva.*

LEXINGTON, (KY.) OCTOBER 7TH, 1820.

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Conditions.

THIS Literary and Scientific Journal will be published Quarterly, in Lexington, Kentucky, in numbers of 80 pages, forming every year a volume of 320 pages or more. The first number will be published in January, 1821, and the other numbers successively in April, July and October following.

THE subscription will be only TWO DOLLARS per annum, to be paid in two instalments of a Dollar each, on receiving the first and third numbers, unless it is prefered to pay the whole in the first instance, which will be quite optional. The numbers will be sent regularly by mail to distant subscribers.

SUBSCRIPTIONS will be received in Lexington, by the publisher, THOMAS SMITH, editor of the Kentucky Reporter, and by all his agents for that gazette throughout the country. Also by *Mr. Souter* in London, *Dr. John Torrey* in New York, *Solomon Conrad* in Philadelphia, *Mess. Cramer & Spear* in Pittsburgh, and *Caleb Atwater, Esq.* in Circleville, Ohio. ☞ No subscription will be received for less than one year or volume.

Subscribers.	Residence.	No. Copies.

C. S. Rafinesque

Dec.r 15. 1820

Rec.d March 20th
1821

(pr. L. Beck)

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr John Torrey — Lexington Kent 7 10th Jan 1842
New York

Dear Friend — The enclosed letter was to have been sent by a private opportunity but was left behind by the gentleman. I now sent this by our common friend Dr Carl Beck. I am glad to be able to inform you that I have rec'd at last your Box of plants & books, the first sent I mean, with the Flora Graeca in it. I am much pleased with many of your plants, a few only are common here. I shall now expect more. I propose you a large Collection for this Spring, collected last year.

I have not heard from you for a long while — Do write me occasionally & send me all kinds of news.

You will receive by mail & hope this the No of Western Minerva & the Bulletin of the Ohio. Tell me freely what they think of it. I hope you will have done what I requested to put the prospectus in some bookseller's rooms for receiving subscriptions — Send me of course the numbers of the Journal obtained — I send you by Dr Beck a very singular vegeto-mineral substance to analyze, it is found only on the roots of trees here. Send me the properties of your Selenotin — What do you think of the Hypothesis of Dr Dana? —

I am very busy writing & forwarding to Europe Missing Plants, Shells. I have rec'd a box lately Shells Minerals & Plants from Scotland, Switzerland, Sicily, &c —

Just the no Correspondence with your friends Sprengel Agardh &c — You may wish to discontinue as may many others abandoned Botany to dedicate himself totally to Zoology.

Will the great rarity Flora of Boston succeed?

Tell me all news & farewell. Your friend

Rafinesque

P.S. I will send you 6 Numbers of the Western Minerva. If you subscribe of which one is for you one for Mr Lutwin (to Minerva) this last with the exchanges 2 to be forwarded immediately to Prof. Liverpool & 1 to Mr Drapier Norwich Rue Neuve Vis Vis Paris.

Yours affectionately

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque
Aug. 1. 1821
Rec'd March 20th

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Philadelphia 6th Jany 1828

My good friend — I have dedicated to yourself, & two other friends my Medical Flora, of which the first Volume with 52 plates from A to U, is now printed & will be published in a few days. You will receive a Copy of it — You will find in it some Botanical Observations and Monographies of Gentiana & Heuchera. The 2d Vol. shall come out in a few months with 50 plates, & Monogr. of Trillium, Vitis &c — On reading the 1st Vol. if you find any errors, please to let me known, that I may correct them in the 2d Vol — The price is only $1 per Vol. wholesaler $1.50 in retail. I hope you will recommend it as a cheap work if nothing else. How many do you think could sell in N. York among Med. Students, Physicians & Druggists

If you have any materials for the 2d Vol. I to X I'll be thankful to communicate them.

I am also making another popular work School of Flora with 200 figures for $2!

What do you think of my proposed plan of a general Flora of the U.S. by yourself & myself on that plan — We could have the use of 200 blocks or figures at once, and add thereto 200 fig. of rare or fine plants or perhaps one plant of every genus, and could afford to give Dewey of 2000 species with 600 plates for $8 — perhaps $5!

Tell me something of your doings in N. York — For my part I keep aloof from the selfish ~~and plan~~ Pindaree Naturalists of this place & work hard by myself, and merely look on their blunders, pilferings &c — My history of America takes up much of my time: that is the great work to which I have laboured now 8 years, and hope to bring forth at last. — Write me soon — Your friend &c

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Doct John Torrey
Profr in the University
Newyork

P.L.

E. S. Rafinesque
Esq. &c.

Philadelphia 10th April 1838

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My good friend! How did it happen that you called on me when here at the last moment? I called 3 times since at your hotel to see you. Why did you not send me a line thro' the post office to appoint an interview? I would have been so glad to see you & converse with you. I wanted to offer you my Medical flora 1st Vol. just published, which is dedicated to you Dr. Chas. A. Elliott. I have a copy in reserve for you, whenever you send for it or tell me how to send it. — I hope you will approve of this work and find in it, something to interest you: although confined by the subject & manner, I have tried to throw in some new facts and botanical discussions. I invite your attention to the articles Cypripedium, Erythronium, Sagania, Gentiana, Heuchera, &c. Some of the figures are new and good; but not all equally well, I regret it, but it is not owing to me. The style is such as I should wish to be introduced extensively.

I can engrave myself now, I am engraving on pewter and zinc some of my plates, for my Monuments of America. I could engrave Plants very easily on Pewter. What do you think of a Flora of the Un. St. with a figure for every plant, engraved in the style of Michaux is better. Do you remember my hint when I saw you last on this subject? but now I could furnish you all the plates myself! at a very cheap rate. This would be a work of time. You might take Dr. Schweinitz & other friends for collaborators. It would only be one myself and furnish rare plants, remarks, varieties, localities &c. This would be equal to the English Botany of Sowerby and yet the price would be only One Dollar for 100 figures and descriptions! The plan, name, size, terms &c I leave to your reflection. Why not adopt the French plan at last of working in common in Natural & Medical sciences? but above all to render Science cheap, attainable to all & thus diffusible.

widely, has long been a favorite Object of mine. We might employ the Natural Method, or publish in loose Sheets so as to be bound in any way.

I hope you will write me and give me some news. Pray tell me where you lodge in N.Y. that if I should take a trip there I may find you & call on you at once.

I have some intention of going to the Falls of Pennsylvania this Summer, and perhaps call at Bethlehem to see Mr Schweinitz — Pray will you write to him that I may do so, and that may serve for an introduction.

If you had called on me betimes, I could have shown you some of my rare plants. You have not yet seen my little treasures as I call them; many being mere or few specimens. I keep them all to myself, till a proper time to publish. You may form an idea of my rarities by the Iconographies of my Gentians & Heucheras in the Medical Flora. My Heuch. Acerifolia is the only new spec. I have ventured to figure in that work, perhaps I may publish a few more in the 2d Volume. I shall figure the Hemiopsera for the first time.

My favorite pursuit now is to prepare for the press my great historical work on America. A kind of history of the Earth & Mankind in America, not this state, but from Greenland to Magellania! I am involved in a labyrinth of Languages, Nations, Monuments & traditions from which it is a task to evolve the truth.

I wished to review your Botany but the Quarterly Review I found to be closed against all, except a few favorite of the Bigot Walsh.

Science is here in the hands of a few Aristocrats who wish to be alone before the public, and keep off competitors by management. I keep aloof from their strifes and petty intrigues, confining myself to a few friends, and in retirement mature my great works.

Believe me truly,

Your friend

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

C. S. Rafinesque

Apr. 12th 1828

Amd.

Dr J. Torrey

Prof. College Physicians &c

New York

Philadelphia 18th Aug 1829

My good friend I write you thus early for several reasons. [illegible] I have found an excellent botanical [illegible] beginning at Clarksville 10 m. from Bordentown the country [illegible] Sandstone hill pine & swamps. I have found many rare plants the most [illegible] new Lythrodia differing from [illegible] calicate by [illegible] leaves, opposite quadriflora, 5 equal stamens (two sterile filaments [illegible] are [illegible]) [illegible] dentate acuminate.

In coming hence by the Cars I [illegible] the Lycopus Clarksville & with to Bordentown, the place is [illegible] the junction [illegible]

I have indeed the Carices premised Cuphlevrum & [illegible] Asiranga [illegible] inclined to make a New genus of it by the [illegible] flower, [illegible] seeds sessile [illegible] I call it Neurolepis distinctus (the [illegible] is present to Europe already as a Juncacea) the other are Invol. 3phyllus linear. radii 3 4 neq. erecti. Involucellis 5phyllis equalis ellipt. acum. Scaviosis, trinervis, 3 Gynis Stor. erect inaequ. ped. linearib. Cal integr. petala 5 equalis [illegible] barifovea intricata, apice invol. [illegible] Stam. 5 hemisphaerica subsest. [illegible], Fiscus crassus, Stigma bifidum, Semina lineaib. dorso compressa.

The Cuphlevrum, Agrella, Fragaria, Bartsia & [illegible] are not a distinct genus. [illegible]

I beg you will examine carefully with the microscope your 3 Gynigynus with opposite leaves, and furnish me the character at length of each. I suspect they must all form a separate genus [illegible] if they agree with [illegible] they differ from Gymnema [illegible] Mots.

Your friend

TORREY CORRESPONDENCE HERBARIUM OF COLUMBIA UNIVERSITY.
TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

C. S. Rafinesque

Aug. 18th 1829

Dr John Torrey
(Post in the hands
of) 19 Charlton Street
New York

Dr. John Torrey
N. York

Philadelphia 22d April 1880

FOREIGN CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend — Your winter labours must now be ended and as I wish to have another Botanical interview with you this Summer, I now write you on this & other Matters.

I heard last fall that you had come to Philad^a for one day only: or rather been recalled as soon as arrived by your wife's illness, without even calling on me. I mean to travel thro' our for one month to the North & go perhaps as far as Lake Champl. I mean to stay 2 Weeks in Newyork, & I wish to ascertain whether I will find you there & when, that I may take my measures to meet you again: it would be convenient for me to go between the 15th of June & the 15th of August.

I am writing now the 2d & last Vol. of my Medical flora & have made arrangements to publish it this year. I have modified my plan a little, altho' I will give 48 plates thus completing 100, I mean to indicate all the Med. plants of the United States, and perhaps to add an Appendix of all the N. G. & N. Sp. I have published in Amer. & Europe. to this year belonging to North Amer: with reference to their Synonyms &c. It is in this chiefly I want your assistance. I want to ascertain all those that have been adopted & by whom, I often hear of some being taken up when they are at a loss for a Name. Thus I have lately seen my Genus Adlumia of 1807 for the Fumaria cirrhosa, adopted in Loudon Cyclopedia of Plants. Now I think that I have established 150 better generic distinctions than the Adlumia. As for my G. & Sp. not adopted I shall merely state the year when discovered & published so as to secure my future claims, and time will do me Justice, if my friends will not, and my Names being always good, I will find favour when bad Names will be revised or eliminated.

I had promised to give you my Monography of Amer. Rosa of 1820, which you had not. I will bring it to you with many other this Summer. I have perused with much pleasure your Essay on the Oregon Plants or Rocky Mts; but unfortunately the Sp. you gave me is deficient missing from N°s 10 to 52. You must give me another complete; I have seen with regret that by your Over Caution you have described many plants under doubtful

Genera and Names; your descriptions will remain as reference, but you will lose your Names, since you must be aware that others will be given to them by less cautious or more accurate Botanists, may perhaps 2 or 3 at once! & thus multiply synonyms to no purpose.

I have studied over again the plants submitted to your hasty inspection last year, & have convinced myself that in some instances your indications or decisions have been too hasty indeed. It is by such lazy or cautious oversights, that the Science is kept backwards: so as to leave much to do to future Botanists. This impression of mine has been greatly confirmed by reading in Elliot's (just decid & a great loss to Science) Work, his frequent remarks on the several Species covered by One Name as he calls it, or as I would say blended or overlooked. I was indeed astonished to find one half of his New Sp. taken from former blunders. The Southern, Western & Northern Plants of the same Sp. are often different as he proves & my Specimens or Observ. evince also. — You may talk of Varieties as you please & call them such, and in that plan I would make 1/3 of all our & your Plants varieties also. My View of the Subject after long reflection is that Plants are subject to Natural and Successive Deviations! both Specific & Generic; but when first effected these Deviations become to all scientific purposes. N. Sp. & G. which ought to have Names: if we dont notice them & name them, somebody else will in 10 or 50 years hence, & call us lazy for overlooking them!

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

After my Med. Flora is done, I mean to undertake a General Catalogue by Nat. Orders of all the Species & Var. of Plants in North America from Canada to Florida & Oregon, or North Amer exclusive of Mexico. In this I shall also want your assistance. This must be a prelude any how to any complete Work on all our Plants. When I see you I will again talk to you of my old project of uniting yourself with Mr Schweinitz, myself & others to form jointly in 4 or 5 years hence a Synopsis plant. Amer. Boreali Sec. Ord. Nat. Have you seen ~~late~~ the late Encycl. of Plants of Loudon, Kirby & Conolly with 10000 Wood figures in One Volume 8° & 16000 Species. This is my favourite plant & am glad to see in return to this plan of the 16th Century

I send you & beg you to keep by you & in mind the following N. G. of mine sent to Europe for publ. betw. 1820 & 1830 & not yet known to you — that you may adopt them or notice them as Sub Genera when needful — If you could publish the list, it would be still better. —

1. Datitemon N. G. on a N. Sp. aff. Leymeria diff. Cal. ineq. Cor. rotata &c.
2. Tomalix. S. G. of Gerardia — type G. pedicularia — Cal. 5 f. foliac.
+3. Hartiana. — type Anemone pimpinellifolia & A. tenella L.
4. Stylodon. type Verbena Carolinicana —
5. Cladenum. type Dracocephalum variegatum.
6. Eothinanthes — type Tradescantia erecta. Cutta in hortis
7. Aldenoqyna — type Saxifraga sarmentosa — Do Do.
+8 Haberhamia. type Herpestis cuneifolia.
9. Aphanthe — type Orobanche uniflora
10. Comolima — type Draba hispidula & Carolniana
11. Peltandra (1817) — 2 Sp. P. undul & P. alba diff. from Lecanlea
12. Heptanis — On a N. Sp. diff. Croton Cal. 7 phyl. ineq. tulipacis —
13. Drepadium — type Croton maritimum.
14. Decaminium — type Croton glandulosum —
15. Ditrisyria — type Stilingia liquitrina —
16. Sebarium — type Croton & Sebiferum — Cult.
17. Adicea (1815) type Urtica pumila &c.
18. Ulbrastina — type Urtica Canad. & divar Sandr. Stylorellyo.
19. Synezemia — type Phylanthus Carol. & obovat. Nonumbic.
20 Xenomalon N. G. on a N. Sp. diff. Crategus stam 5. Cal. con ineq.
21. Xerandra — type Inline Celastrides. —
22. Nemezis. — type Smilax herbac. & pedunculata &c.
22 Parillax — type Smilax pumila & laurif. &c
23. Endotropis — type Rhamnus lanceol. 3 Sp. sub. nigr. & spinos.
24. Asaccara — type Gleditschia monosperma —
25. Lucidistemon. type Senebiera didyma Amer. not Europ.
26. Spirostylis (Malacanya 1817) — type Thalia dealbata —
27. Tiplostylis — type Canna flaccida —
+ 28. Oemleria — type Colinsonia scabra.
+ 29. Boykinia — type Ammania humilis —
30. ~~Pentaplea~~ Pycenanta — All the Sabattia with to 8 to 12 stam —
31. Cyloma — type Vitis arborea L. very diff. f. Ampelopsis —
32. Steiremis — All the Amer. Achyranthes or Gomphrena —
33. Stilimnium — 3 Sp. Ammi capillac. Costatum & junceum —
34. Dendropogon — 3 Sp. Tillandsia usneides, bautrami, recurvata
35. Tristemon — The Sp. of Juncus Sandrum.
36. Oxypolis 6 Sp. of Cenanth, Sium & Sison — Pet. accum. Sem. alata
37. Sperimolepis — type Sison pusillum Mr. Ammi & Daucus Aucet
38. Meioliqus — type Triglochin triandrum
39. Chrisperma — type Melanthium latum L. &c
40. Dicliniotrys (1818) type Veratrum luteum L.
+ 41. Abbotia — All the Amer. Tofieldia — diff. f. European!
41. Declisia — type Tribulus maximus of Carol. ~~Sylvan~~
42. Cyanospermum — type Senecium pertulacastrum
43 Squibbia. type Senec. pentanem.

44. Allosanthes — type Polygala polygama
+ 45. Herbermontia — Type Aeschynomene Viscidula
46. Enclolobus — Do — Phaca floridana L. or Sesbania aeut
47. Dotrema — type Aristolochia arenif
48. Ophioseris — types hieracium venos & gronovi
49. Eutrochium — all the Amer. Verticill. Eupatorium
50. Chondrophora — type Chrysocoma denudata
51. Phoradenia — all the N. Amer. Cacalia — Very differ sp
52. Pamphiturus — All the N. Am. Baccharis — Cephalant
53. Diplogon — All the Chrysopsis with white or blue flow.
54. Oligula — type Aster linif. Amyzides & tortifol. 5 radiata
55. Anactis — type Aster discoideus Elliot.
56. ~~Aplactis~~ Aplactis — type Solidago passiflorula
57. Darionima — type Solid. linarifolia &c
58. Lepiactis — type Solid. Virgata Mx. &c
59. Aclipsis — types Solid. glomer. Squarrosa &c
60. Actecaton — type Erigeron quercif & carolinianum
61. Leptilon — type Erigeron strigosf & nervosum &c
+ 62. Latonia — type Erig. bellidifolium — pap. simpl. dem. alata
63. Gynoptria — type Burmania biflora diff. Tiftenella
64. Medicera — type Habenaria repens & Michauxi
65. Hexalectris — type Bletia aphylla
66. Larnetra — type Epidendrum Magnolia
67. Fimbrulea — type Bottonia glastif & Coronia
68. Fimbraristia — type Eclipta procumbens
69. Cacotanis — type Eclipta ciliata
70. Thalelius — type Buphthalm. fruteseens
71. Dicomelas — type Helianthus atrorub. sparsif. pratensceny.
72. Hydrelii — type Coreopsis bidens L.
73. Allodium — type Bidens bipinnatif. L
74. Ligunduta — type Coreopsis pubesc & glabra 2 sp.
75. Calichroa — type Cor. latif. Rotea, Nudata &c
76. Diteroca — 4 sp (Coreopsis Richwsp and) annua, biennis, perennis & parvif.
77. Theraitepha — type Galardia lanceolata
! 78. Rafinesquia or Helichroa (5 sp. blended under Rudbeckia purpurea) Linnaeana, Elatior, Unif. amena, alba.
79. Lepachys — type Rudbeckia pinnata.
80. Hortolonia — type Hippia stolonif. of amer not Europe
81. Allosandra — All the Fragiform sp. N. Amer.
82. Leiacina — type Chara lucida E. &c &c 106 in all

Besides 28 or 30 N. G. exclud Gen. of Gramineae & 15 Fungi — Many bad names have been changed.

1 Apteilon R is Apogon of Elliot (previous Apogon Lacep
2 ~~Calycium~~ Stephyathea R is Calycium Elliot
3 Nectrurus R — is Tipularia N & E (Tipula Insect.
4. Fimbriomna R is Leptopoda N & E (Genus of fish Leptop

C. S. Rafinesque

Please observe if any of those names of mine have been employed before or by others — & if any of the types have rec'd other names by others & let me know —

Wilkes Letter 15

New Sect. of Gramineæ.

If you are fond of greater I lend you also my N. G. & Sub-gen. named, disting. & sent to Europe; but I should like you to revise them if needful, and let me know the Result.

1. Ptilix — Type Manisuris granul. or Panic. clandest. L.
2. Megadenus — S. G. Scirpus — type S. capitatus, & tuberculat.
3. Hippotrix — S. G. Do — type S. quadranq. S. equisetoid
4. Stenophyllus — S. G. Do — type S. Stenophyl. Elliot
5. Hexotrix — S. G. Do — S. debilis, amer. lacustris, mucron.
6. Adenotrix — S. G. Do — S. simplex E.
7. Dewinia — G. or S. G. Cyperus — Dianthi
8. Aplexia — type Leersia virginica } Types of Leersia
9. Endodia — type Leersia lenticularis } in Leersyoides
10. Endalles — type Phalaris amundinacea
11. Glandiloba — S. G. Panicum — type P. molle
12. Phanopyrum — S. G. Do — type P. gymnocarpon E.
13. Dileucadeum — S. G. Do — P. Scribn. P. amar. P. Villos.
14. Steinchisma — S. G. Do — P. hians.
15. Notonema — type Agrostis arachnoides
16. Sericarvitis — type Stipa Sericea, diffusa, &c.
17. Bennetia — type Agrostis juncea.
18. Podopogon — type Stipa avenacea L.
19. Mouliusia — S. G. Aristida — type A. lanosa
20. Coranthera — type Andropog. nutans & Ciliatus
21. Alloiathera — type Andropog. ambiguus
22. Spirothrix — type Stipa S. Androp. melanocarp.
23. Dimeiotenon — type Androp. macrurus, vaginat, distiliflo. tetrantachyus — glaucum Raf. N. Sp.
24. Erochloe — Dif. Ova (diamb.) Coarctata, Spectabilis
25. Trisiola — Sp. Uniola 3 amb. (Uniola 1 amb.
26. Nebructola — type Uniola paniculata
27. Chlammia — type Festuca tenella
28. Dasiola — Festuca Sp. Monandris
29. Mesathrepta — type Avena Spicata
30. Pleurachys — type Rottbolia dimidiata
31. Nemostachya — type Eleusine mucron. filiformis &c.
32. Stipistachya — type Eleusine Cruciata

Among the 24 N. G. omitted in my first List are ~~many~~ some based on your wrong names of Oregon plants. If you wish to have them also: you will be gratified.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Doct John Torrey
Prof. in the University
New York

Hon Ben Pitt

Ex d. Hoffmansque
April 22nd 1830 —

Cas? verbum sapienti —

Philad.a 22d May 1830

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend —

I was disappointed at not finding you at the Trenton Stage Office as you had stated. Something must have taken you earlier to Princeton, where I am told you were to give your first Lect. yesterday. I have a thousand things to speak of with you too long for letters. I am told of a N. G. of young Linnaeus? lately made on a new Orchidaceous form by Mr Conrad: this you also make N. G. I hope you will not monopolize the employment & allow me to do the same.

I visited this week for the first time Bartram's Botanic Garden for many years. I was delighted with it, the actual Possessor Col. Carr has improved it vastly, he keeps up all the fine Shrubs he disc. by Bartram, and is very liberal, allowing Botanists to take Specimens. He has requested me to invite you to visit the Garden when you come to Phil.a He shall go together if you let me know before hand. Write me when you will call, I want you also to spend a day with me. I dwell still at the same place where you once called N. 195 North 8th Street between Arch and Race Street. I saw at Bath a New Philadelphus disc. by Mr Shimer on Cayuga Lake Ph. pubescens, (ramis virgatis, stigma 4 agglutinatis) which is not in your Work. Thus there are New Sp. yet in New York. I was struck with the Southern Styrax Sp. which must form a New Sect. the fruit is so different, not a dehiscent capsule but a non dehiscent fruit. 2 Coverings, outside like Juglans inside fragile and polyspermous with 3 angular placentas. I shall call it Cutax or Notax.

Strange to tell I have never visited Princeton College yet altho' I have gone 10 times thro' the Village, but never could stop. I wish to visit it while you are there. Perhaps I may stop a day on my way to Newyork in July. I could give an Explanation of Chine or any part of Nosology required to your Steps while I stay. If they would bear my presence I would come at any time & give a Lecture on them.

Do write me before you come, and let us not miss each other again: unless you write me, I may be botanizing out of town the very day you call. Your friend

C. S. Rafinesque.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque

May 22nd 1830

Dr John Torrey

Princeton College

Princeton

New Jersey.

Dr John Torrey — Newyork —

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Philadelphia 2d March 1832

My good friend — Your letter of 17th last was left at my house by somebody unknown, with your 2 pamphlets & appendix. Messrs Carvil have not sent me Lindley, altho' they owe me money. I fear they are now too much bent on the Gold Mines of N. Carol. I am told they are going to be Miners, hence establ. a Company &c.

My Criticisms on Lindley would chiefly be on his not following Decandolle's plan of giving the Synonymes of Orders & families. He has perhaps never seen my Analysis of Nutttall of 1815, but you had it before your eyes, and could find there many of his late families under as good names given 16 years ago. —

As to your Supplt I like it well, notwg its omissions. You are one of those who want to destroy knowledge, at least I fear it, but hope you will reform, as you have already by leaving the Sexual Syst. for the Nat. families. My additions of plants seen, collected, & published by me or yet in Herbarium are of 300 at least not in yr Catal. — If I were to publish such a list, I ought if to follow yr example to leave off the G. Parnassia which I have never met myself in 20 years & 10,000 miles search, because I was not on the spot in the spring, also all the Sp. which I have never seen — Since you have left off all my Gentiana, Vitis, Jeffersonia &c which you have not seen. Send me a Copy of Lindley if you can or keep one for me when I come out —

I now write you chiefly to entrust a Commission to your friendly Care — You will find on the other side, a Receipt by the Union line of a package for you, which I have paid the freight 50 Cents here. Please to call immediately at the Office and get it. It is small, you may carry it in your hand.

You will find in it 3 different things, as follows

1. A large sealed package of manuscripts directed to Mr Wheeler No 33 Nassau Street. Which I beg you will deliver yourself into his hands & ask him a receipt for it — A very short One then — Rec'd a sealed package of manuscripts for the Peace Society Newyork ... March 1832 — You must be very careful not to mention that it comes from me nor to answer any questions, saying merely that you have Orders to deliver it & ask a Receipt. If a receipt is denied leave it notwithstanding in his hands, & you will be my witness if needful — I cannot explain any further now — I'll tell all about it when we meet. Remember not to mention my name in any way, because it is so required by the Society. & also that it must be delivered this Month. The receipt you may keep to me, you need not send it. But let me know.

2. A parcel for Mr S. Laralle, the Bruxelles map man who lives somewhere in Front Street, but to save trouble you may put it in the Post Office.

3. A Copy of my American Florist first Series published in January — of which I have already sold nearly the whole Edition — I mean to continue it. It is for Scarce books, Ladies books & pictures. I make an edition in a Book form also — Lastly A proof of the first form of my Journal now printing — Atlantic Journal for your inspection. If you will send me quickly some Scraps on Botany I'll publish it. I beg you will designate to me who might be the most proper Agent for this Journal in Newyork. Tell me also which is the best term Cyclopedic, Cyclopedical, Cyclopedian or Cyclopedical — Webster has none of these but only Encyclopedian which appears to me unwieldy & my friends differ on the best adjective for Cyclopedia. 200 Sugar beet will suffice this ~~time~~ I hope to get them. Help me a little.

P.S. Mr A. Eaton of Lexington writes me he has lost your home of my new plants the Cremion & if you see my plants are found when people go where they are.

Your friend
C. S. Rafinesque

I cannot always pick out illegible manuscripts in my Chaylogomon or the Philosophy of Ling. Wan. No bows

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

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Philadelphia, March 8 1832

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No 19

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TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque

March 2nd 1832

Recd March 5th

Ans. March 14th

Dr. John Torrey

Dr. to the Medical College

of the University

New-York

PAID

Will you please write which is the best Cyclopædia or Cyclopædias — Webster's

Cyclopædia or Cyclopædias from which a person may select the best articles for a Cyclopædia. Holmes or Lardner

Friends desire me to get them. Holmes is better

but with chapters that Lardner pays more attention to Natural History

D. M. H. Catlow of Lexington Ky

has been transferred to Cincinnati & may receive letters addressed to me

Cincinnati Ohio

Yours respectfully

C. S. Rafinesque

Dr John Torrey
Newyork

Philadelphia 14th March 1832

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend — I wrote you the 2d Inst & sent you Bill lading per Union Line of a package cont'g sundries for yourself &c — freight paid here — There was in it a large Manuscript for Mr Wheeler to be delivered immediatly — You must have rec'd all this — But it has not occurred to you that I wished to know immediatly of the safe reception of it. — I have no answer from you, altho' I have called every day at the post office. I am compelled to write again, to request that you will answer me by return of mail — As I must know positively of the reception by Mr Wheeler of the parcel of Manuscript during this month. — Do not fail to write —.

My Atlantic Journal is nearly ready, the N. I will contain 36 pages & 2 fig. with 24 Articles on all subj. I have a request to make — As I propose to send this first Number as a sample instead of a Prospectus I think you would furnish me with the names of the principal learned men of Newyork to whom you think it might be acceptable, among others ~~the~~ he who writes on Egypt Antiq. in the Revisor, and those who cultivate Geology & Natural Sciences — Also give me ~~the~~ a list of your friends out of Newyork — In the State, or in New England and Canada — who you think would like to see at least (if not to buy) such a ~~Journal~~ journal, and I will send it to them — If they dont like it they may return it after perusal — Do answer this immediatly

Respectfully Your's

J. L. Comstock

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Doct John Torrey
Prof in medical College
New York

Albany
Aug. 1846

Dr John Torrey — New York

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Philadelphia 5th Oct. 1832

My good friend — I should like to know how you have fared this Summer, during the calamity of the Cholera, and where you have been.

Instead of going to the North, I travelled this Summer two months in the Alleghanies. You will see my Discoveries in my Atlantic Journal, of which I send you by this opportunity 6 Copies of the Extra to N 3, published on my return & shall soon send you the N 3 itself — In which will be my Vindication of the foul and wanton attacks made on me by Featherstone & Harlan —

I have heard you have been appointed Prof. of Botany in the New University of New York — Pray who fill the other branches of Natural Science and is there ~~an~~ any chair of Ethnology & Universal Philology?

I contemplate to publish this Winter a Suppl. to Medical Flora, with my new plants —

Why have you adopted the G. Clintonia of Lindley 1820, and not my Clintonia of 1817! You have passed over Decandolle method of priority by dates. I have changed the Clintonia of Lindl. as I have a right to do, but few others will do the same & then we'll have 3 or 4 names for one!!

A friend of yours Mr Walker Arnott of Scotland to whom you sent my Enumeration, has

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

written me & wishes to buy all my new plants — Who is he? is he a relation of the celebr. Dr Arnott Has he written any thing? — Do you think it would be proper to sell all my rare spec. for Scott. instead of Engl. or France — He is however a friend of Dr Hooker who would see them.

I send you 3 more of my Enumerat. to send to your friends.

You never fulfilled your promise of sending me the names of such persons in N. York & the north to whom I might have sent my Journal or trial.

Pray do do yet, altho' I have too few copies left to venture at random now, I might send them my extra, as a sample —

Your friend & wellwisher —

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

PS. Send the Extras to your friends abroad.
I send you a Copy of my American florist —
Please put the inclosed in the Post office —

Dr John Torrey
New York

Philadelphia 7th Nov 1832

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend — Your Letter of the 17th Oct. was duly rec'd, and to answer your enquiries I must write you a long Letter at my leisure, which I will send by mail if no private way offers. — You will have rec'd before now N 3 of Am. Journal when you will find as usual some botanical novelties. Of the new & rare plants of Baltimore some will interest you, none are in your Compendium — The curious Andromedas are there labelled in the herbarium by Duhamel's names. I do not remember the later names if any, but you may ascertain it in Wildenow &c. You ask for the plants of Maryland & Central Pennsylv. or a list of those ~~not mentioned~~ not recorded as native of N. of Potomac. I could make a long list of them, but have not time. I can however mention some found this year. — Lifa in Pennsylvania unknown.

Verbena paniculata. Lam. Pennsylv.

Cacalia uniformis — found C of Mts.

Eryngium chiranthoides of Am. Auth not L. nor Europ. in Maryland on Antietam Creek — I have compared this sp with European ones & ascertained that our Am. sp. is a peculiar sp — which I call Eryngium angustifolium, it has leaves linear obl. obtuse entire, only 1 to 6 inches high — the Europ. has leaves lanceolate dentate, caulate, stem one foot high. I have found in fruit a beautiful N. Lily — Lilium biflorum aff. Carolin.

I have besides these a dozen new or doubtful sp, of which you will find the descr. in N 4 of my Journal, almost all from the Alleghany Mts. Stachys velutina? Schwartz —

Sanguisorba palustris N sp in Mts Swamps, with leaflets cordate elliptic pectinate serrate — fine N. sp only in one swamp.

Silphium rugosum N sp near S. atropurpureum N sp.

Rudbeckia virgata or hirsuta N sp. Arenaria asparagoides sp

Diplogon latifolium N sp Parnassia parvifolia N sp?

Collinsonia montana N sp. Liatris bracteata N sp?

Verbesina oppositifolia N sp? Impatiens a doubtful sp

Verbena incarnata N sp. & my V. fastigiata of 1818 —

Laurinus obliquatus N sp? Carex pubescens &c

Gerardia simulata. G. bipinnatifida S. superbens & Ger. Secundiflora — 3 N sp or var. of G. quercifolia & G. longiflora —

But I have besides what I deem a N. G. & call Ochronelis sulfurea. It has the calyx of Rudbeckia, but flat phoranthe as Helianthus — Pappus & paleæ as in some sp of both. 2 unequal membran. pappus — paleæ 1 or 2 toothed laterally. — It must be some sp. of Helianthus of some authors, perhaps the H. pallidus or else the Rudb. amplexicaulis — he promises to send the Syringum, but it is a new N. G. by Cat. on double series & Ray's or single leaves entire! It is known

Viola sororia N sp
Boottonia N sp

at first sight by its flowers of a pale sulphur color — No other Sem flower is so pale — leaves terminate & opposite alternate above — Sessile narrow lanceol. acuminate, remote serrate, & scabrous — You will perhaps be able to make it out by this. —

My reply to Pratt is but a just defence. I have exploded his Rhinocerides any how — & his only discovery! —

Your proposed Voy. to Europe next Spring is indeed a change. I was not aware you had relations in Ireland & I do not see how you can attend to yr duties in the N. Y. University, if you go to Europe. You do not say how long you will stay, but if you visit Paris it will take you several months. To look at all the herbaria will be a greater task than you are aware of. If I was to send you all my doubtful plants to compare it would increase your labor — Since I have several hundred sets & half of all my grasses. I may perhaps put by a few for the purpose —

But there is so much to be done here in visiting the American herbaria of Muhlenberg, Nuttall, Schweinitz, Collins, Elliot & many more — Nuttall has some new species — It is said that Schweinitz has left his herb. to the Phil. Soc. by a recent list of 100 N. Sp. in it. — I cannot tell what has become of Collins's his son in law has scattered & sold all his collections & Books I heard once it was to be purchased by the Westpoint library — There are I believe 500 new phaneg. plants in herbaria not described besides those in yours & mine — Halsey has some new ones also Who collects in Arkansas? you forgot to mention it. Could you send me the list of those Arkansas plants? — Why do you delay again the novelties of your herbal. You must have a vast deal of fungi accumulated, I urge you to publish, for fear of dying all like Collins & many more.

I shall try to publish next year my Supl to Mich. flora with a Botanical Supl to all the Amer. flora. but I shall merely give my own plants, time to collect yours & all the Supls would form a large Volume of itself, unless condensed like Cator —

Your acct of Dr Arnott has decided me to cede him the plants he wants — I meant to divide all my fine things in 3 part, 1 for Engl. 1 for France & 1 for America — But I have not always 3 specimens of my rare sp. — Arnott's Coll. will be seen by Hooker & perhaps Lindley & then be available by them —

Arnott's acct in his Letter of 15 July — My 500 N. Y. & N. Jersey rare plants for which he gives my price of $60 — also for 1000 specimens from Mich., Illinois, Indiana, Louisiana, Texas Florida & Carolina for $50 — these altogether $110, & tells me to draw on him for it payable in Glasgow, sending the plants to a merchant to be delivered to Prof. Hooker then on the money being paid.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

P. My G. Clintonia differs more from Smallanthus than the Gyrostachys from Lindera!!!

But he apprehends some difficulty & nightly as we have few vessels going to Glasgow direct, and says he has written to his old friend Dr Benj. D. Greene of Boston to manage it for him, write me & pay me the money if needful, but he has not written me. —

Now since you are going to England & Glasgow to see Hooker's Herbarium I have thought you could manage the thing better than Dr Greene — I could prepare the collection at leisure this Winter, and deliver them to you, with my Offer to Dr Arnott you shall want funds in England & this may be part of them. You may arrange the exchange as you please, you will have the plants as security & they may amuse you during the passage if you choose to look at them & study them. I am not sure to be able to make all the 600 Specimens (in good order) but whatever the number shall be I'll draw for at the agreed rate, & I shall besides make a present to Dr Arnott of several of my Works. — He says "I expect that the Specimens be perfect, well named & in good condition. This I promise to do so far as I can. The Sp. shall not be such small ones as I used to show you for a table, but good or chosen ones, even some shall be of extra size. But you are aware I cannot have the roots of perennial plants, & sometimes the fruit cannot be added if not found in season. They shall all be named, except many grasses, but then ~~they~~ there may be few among them. And besides the plants shall have ample notes on locality & observations made when fresh, some synonyms &c. —

If this will do, please to apprize me that I may begin my labor. I shall have to go over the whole of my Herbarium and put up, with notes &c. it will take me one month of hard labor, but I shall do it gradually, & let them be ready for you in February next. When you may remit the Amt. when I shall send the Invoice, or let me draw on you. If this arrangement is practicable you will oblige me as well as Dr Arnott. —

Your list of names has afforded some new ones for my Journal. I wish you would send me another list. I forwarded the last in N.Y. to Cooper, Akerly, V. Rensselaer, Halsey, Dr Neil, Grisom &c, but not one has paid for it yet. I find it very difficult to collect the small sum of $1. I must continue for next year some plan to continue the Journal and be paid for it. I shall lose something this year, but I expected it. Has Gell Esq. signified to pay me or to cancel that small amt. of $? I shall withhold it.

Could you take to Eng. for me 6 Copies of my Med. Flora, Journal & other pamphlets & exchange them for books for me? or sell them to a Bookseller who will send the Books in exchange. —

Your friend

S. Rafinesque,

HERBARIUM CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dr John Torrey
Prof. in the University
New York

Single sheet

G. S. Raymond
Nov. 7. 1832
Cus. Ho. Ins.

Dr Torrey N.Y.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

21

Philadelphia 5 Dec 1832

My friend — I am in time to write again by this private opportunity — to say — that I have begun to go thro' my European Herbarium also in order to compare some doubtful sp — and I find that the Specimens sent me from Europe are just like mine & no better nor larger, or the large ones in a small proportion, the only difference I perceive sometimes is that the plants are more flattened by a press, while your Reports I could not use a press in travelling on foot, but have the same good substitute as yourself.. Thus you may safely know that my great herbarium is good — having taken off all the damaged plants. —

I have also looked over some plants of yourself sent me long ago & they are all small! —

I have found 400 Europ plants in my herbal said to grow in America, but 200 are different from ours — I wish now to form a complete American — Europe Herbarium Comparativum, and beg you to help me & get all the Europ pl. (which are Amer. also) for me in Europe for which I will give 5 amer. in exch. for 10 Europ — Our flora approaches in Mosses, Algæ, Fungi, Carex & Grasses — but we have hardly a similar tree, nor shrub. The Spiræa crenata is very diff. from my N.Y. which you did not admit — &c &c — The Dedicatio in medica of Lamarck is not that of L — it has leaves (Lam. 1799) — I prepare a Nargraph of this — Stating some of all yours here — Yours truly

obliging sincerely
Sir, G. Ruth merly

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. S. Rafinesque

Decr. 5th 1832, 1

Recd. Decr. 11th

Ans. Feby 6.

Dr John Torrey

Prof. in the University

New York

NEW YORK
DEC
10

Dr John Torrey
Newyork —

Torrey Correspondence
HERBARIUM
COLUMBIA UNIVERSITY.

Philadelphia 11th febry 1833

My good friend — Yours of the 6th was only rec'd Saturday the 9th, and has taken me by surprize; I did not expect you could possibly depart before the middle of march & you go on the middle of febry — bef. the end of Lecture course. In Dec. Dr Greene of Boston wrote me that he was willing to pay me the Dlls on Dr Arnold as soon as he ordered him so, having previously only made enquiries if he would. This reply & yours put me out of conceit of Botany for a while, as I found the trouble of labelling very great; I could hardly do 50 plants a day, having to study many over again & write my remarks, notes &c.

At the same time I rec'd my gold Medal from Paris sent me by the Soc. of Geography, with a Diploma. The gentl. who brought it said many flattering things of my labours & that they had astonished even the most learned men of Paris, where this award of an extraordy gold medal. This turned my attention from Botany to my other favorite pursuit of Combined Ethnology, Philology and History. — I have since written a Suplt or 3d Memoir on the subject, for the Soc. of Geography, but it is not yet quite copied thro', else I would send it by you. And I have also written out the first rough outline of the first Vol. of my History of the American Nations, beginning at the most difficult & remote part Austral America which must have been ~~the first~~ settled by the first Colonists of America. This Vol. contains then the hist. of the Chilians, Patagons, Puelches, Mbayas, Abipons, Lules, Taos &c and other Nat. of Magellania, Chili & Chaco &c, which I trace step by step by their languages thro' S. America to N. africa & S. Europe, and give their chronol. hist. from earliest time to our days. — This labor is so fascinating & interesting to me at present that I can hardly leave it, I could postpone it for a few days, but I could not finish this week all what I want to send by you, & if any delay should occur in the transportation you may be gone before receiving it. Therefore I am come to the conclusion to send nothing now, but make up a box for you in March & april, which I will send you direct to Europe, at Havre care of Mess Lyne's brothers, to whom I have other things to send. As you will spend your first months in England this will reach you in May or June & in good time when you go to France. This box shall contain many things, Plants, Shells, Journals, Books & perhaps manuscripts, on which I will write you at length when I send them. They will be for presents or Exchanges or Compensations. I will write you in London and also in Paris, directing care of your friends if you give me their address or poste restante à Paris. I think this arrangement will be the most convenient. You will have less trouble with them in France than in England, & you may take these such as you require afterwards.

I wish I was going with you to Europe, but as I cannot, I must give you many messages in charge, you do not want Letters of introduction, having asked none, else I could have furnished you many — But take this Letter of mine along, & you may show it to any one of those I mention in it, if you are not acquainted with them

Tell Dr. Arnold that I shall deliver the plants he requires to Dr. Greene of Boston, as soon as he writes him to pay me the $110, altho' I am loath to part at 5 Cents with so many fine plants of Missouri, Texas, Louisiana, Carolina &c (and am paying myself as much for the best of the same localities) but I wish to have a part of my grand herbarium in Britain & in good hands, I will send him also my Journal & many tracts on Botany &c — Tell Prof. Hooker that as he will see the Plants of Dr Arnold, I need not send any more: these will be deposited near him I hope — If his Works (the cheapest & most compact) are not too dear & valuable I should like to exchange them with mine —

Tell Dr Scaly of Dublin or Cork, who wrote me some years ago for Exchanges, that I make but few now except of Books, and sell my plants, fossils, freshwater shells, minerals &c Tell the same to all the Botanists, Conchologists & geologists you may meet in England & France, & if they want any fine, rare or unique fossils or shells, they must pay for them — On this score please to enquire particularly ab't the current price of such things, and chiefly Unios, Undatras of the Missouri, and unique fossil remains — Audubon told me that some large & fine Unios have sold from 5 to 10 guineas each some years ago in England & are yet worth one guinea! I always doubted this statement, altho' not improbably & was afraid to venture my fine & unique Unios, particularly as he added that if they fall into the hands of Dealers or some Collectors, they are depreciated in order to get them cheap & they sell them again very dear. You know I was the first discoverer & describer of these fine shells & ought to reap yet some profit if available, and my Collections ought to be worth more than any body else on that score. Even here Mr Poulson paid me $50 for 50 Unios — Thus see what you can do for me in England or France — & if you could get for me $200 for a Collection of 50 to 100 Species — or $2 for a series & $4 for unique Specimens. Baron Ferussac of Paris has written me to send them all to him, as he wants to figure them for his history of freshwater Shells, but as he did not pay I propose to buy them, I have postponed sending them & written him that he must find some rich amateur to buy them for him.

You will probably see Mr Swainson of St. Albans near London, a great naturalist & old friend of mine, having known him in Sicily since 1809 — I wrote him 2 long Letters last year to renew our corresp'. but have no answer yet. Tell him the same thing, that I sell & collect for sale every year in my travels. Altho' he buys little himself he knows those who do. — My fine fossil shells, polypes, Echinites, Encrinites &c would be very acceptable to somebody — But who? Enquire & let me know or put me in corresp with them, & give them my Names. &c

Tell Prof. Lindley that in the next Edit. of his Works or new Work, he ought to quote my labors on that Family published 1815 (Analyse Nature) which he has omitted, as well as my new plants except a few taken from Decandolle — I sent this 2d Mass to London & him, my Medical flora & Remarks on the Encycl. of plants, which were rec'd, but have not heard from them — English Botanists are not liberal, even Decandolle complains of their doings — they are a bad model for you, but our Lang. being the same compels you I suppose to give them the preference over the French School — If I am mistaken in Lindley, & he is liberal I should like to be acquainted with him, Exchange Works or Sell plants. —

I have as many things to say for my French friends in Paris & Geneva but I shall write you more in detail upon them in my letter directed in Paris, which will reach there before you. In case of accidents I only add now that I am waiting for letters from Brongniart, Terslace & Decandolle to my last — And that I do not know who are the principal Botanists of Paris (except Bory) but should like to know if they buy Plants. — I shall soon write to the Sec. of Geography & send them many things, Wisonard of the Institute is the Pres. of the Central Committee —

Another thing for England — Enquire for me how Books sell at auction there & put me in the way of sending some Copies of my Work to be sold so — I will not trust them in Bookseller's hands who keep them many years & give you no acct of them — So it is also in France & elsewhere — This better to sell off at once at auction, you have at least something at once, instead of nothing after 5 or 10 years! — Put me in the way how to send safely 12 Copies of all my Works & also my list of America when published. — I shall probably soon publish a 3d Vol or Suppl to my Medical flora also. This work could sell well in England. —

This year I mean to travel S. again in the Mts of West Virginia & East Tennessee for plants & fossils, of which I shall no doubt obtain many rare or new, thus adding every year to my Cabinet & Collections —

I have just rec'd an Invitation to join a Voyage upon the plan that I proposed in the 1st of my Journal, to fill up a ship with Natural Objects in Patagonia, Magellania &c. But I do not feel inclined to meet the dangers of the Sea, would rather travel on from land. I advised them to employ some young man of the Rensselaer School. This is a diff. Expd. p. Capt Morrell's — to whom I wrote lately for Vocabularies of the Languages of the 2 Islands he has brought, but have had no answer yet. I shall send to the Sec. of Geog. Remarks on Morrell's disc. & show that some are not such, Bay De Kay for instance is bay Nat. Ividad of Sp. maps, but he has seen the true Patagons of Pigafetta & this is as great a Discovery altho' not known by himself. —

Upon the Dodecatheon I would have much to say, but at any rate the 2 actual Sp. are not sufficiently distinguished & my D. cordata & D. longifolia are certainly distinct from them. — You are mistaken abt the Tonreya, mine of 1818 is the Synandra of Nuttal also of 1818, and there is a Dilemma, that of Eaton's is my Nuttallia of 1817. That of Spreng. of 1821 I know not, & leave you the choice. I wanted to call Tonreya once the Cyperus with 2 Stamens, but have changed owing to this Confusion

LIBRARY COLUMBIA UNIVERSITY

Please to send me (pasted up in my reply to save double postage) the Receipt of the Manuscript left at Mr Wheeler last March.

I wish you a safe & quick passage, and a pleasant Excursion & Voyage; you will no doubt have many enjoyments & acquire many new Ideas, of which you will avail yourself in due time.

Farewell, be happy & remember

Your friend

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Take with you my Enumeration My Journal &c to show or give to some friend, I will replace them when you return — I wish I could send you 12 Enum to distribute & as many att Journal to sell or exchange — I shall put some in the Box.

To
John Torrey
Prof. in the Univ.
New York

Single sheet

Recd. Feby 5.

Philad.a 15th Decr 1833

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

My good friend — I have recd your Letter with pleasure & am happy to find that you are coming at last to look at my herbarium. But do not allow yourself to forget yr app.t as Dr Beck who came to spend a day with me for the same purp. last month & was picked up by somebody else & did not come. That you may find me at once I live still at N. 59 North 8th Street a few doors above Arch Street, East side, next door to a large new Presbyt. Church, there is Mr Hewell on the plate door. If I am not at home when you come, leave yr Card & place your portrait & I will call on you on my return home. I do not keep house nor even board at my lodgings else I would invite you to stay with me, so as to have you all to myself — But I hope you will give me 3 days or 6 sittings, studies of 4 hours each from 10 to 2 o'clock & from 6 to 10 o'clock every evening. I have more to show you than you are aware of — and to see all would take even a longer time; but I shall put by for you whatever is interesting or doubtful, nay I have begun as soon as I rec'd your letter & shall go on till you come. I have suspended the printing of my Herbarium & Journal in order to wait for your advice. If you could not come now, it would be a great disappointment as I meant to publish directly my Antiken Botanikon or Self figuring of rare & new plants, & wish to consult with you on doubtful subjects.

My Herb. is arranged in Monographs of large General families, with many Supplements of local collections &c. I wish you above all to look over my grasses, Ombellifs & Compositæ as I am confident to have new things there among doubtful. Then on my doubtf. plants of Oregon, Missouri, Illinois, Florida, Louisiana, Kentucky, Alleghanies &c.

If you wish to consult the Herb. of Nuttall & Muhlenberg you may give 1 day to each, shewing your notes for plants to be searched, they are arranged in Linnean System. But I would prefer you would give me all my time & leave those Herbs for another Visit, to be appointed, as they are not accessible at any time, but must wait the convenience of the Keepers.

You had last Spring N.os 5 & 6 of my Journal. I do not send you my printed Herb. N.o 5. as you'll have it here. I am very you

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

did not receive my Letter in Europe, it was my fault, you forgot
to give me your address, I had requested you to buy for me a Compl
Set of Decand. Rich — & the last 10th Edit of S. General plant. of Lin
if you have them to spare, bring them & I'll pay you for them —
I leave every other Subject for our interview — Your friend

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr John Torrey
Cultivin Medical College,
New York

Recd Feby 14

Philadelphia 10th Feby 1834

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My good friend — Your letter of the 5th accounts for your delay. I was afraid that you had forgot y^r promise & appointment. I spent a week before Christmas in preparing for you Wint & putting by plants to be studied by you. Despairing of your coming I begin to return to my own studies; but the Grasses & Umbellif. are yet by themselves waiting for you. The Composite I have distributed in Monographs, as I do with all G. of interest & afford many N. sp.

My doubtful G. & plants of Oregon, which I have begun to publish, I wish to submit to Nuttall inspection, if he has time, but he is too busy just now. I have some plants of G. not determ^d because I do not wish to break the specimens.

I have sent you lately N°s 1 & 2 of my journal. N°s 5 & 6 I sent you in March, but if you did not receive them I'll give them again. I do not send you my Herbar. Rafinesq (of wh. 48 pages were printed last year) to save postage, you'll get it when you come.

I would take 3 Centuries of the grasses of Dr Gray, not sorted for $12, if he or you will take Books or Plants in payment, you see that I have begun my Autikon Botanikon & sell fragments or Series of it. But I do not want Carex as I have rec^d a Series from Schweinitz in exch^e for Grasses, which he promised to name but he has not as yet. — If Dr Gray goes to the South, tell him I will buy from him 500 Southern plants (not growing North) at a fair rate unlabelled or labelled & pay him in Books plants or money. But I am abv. disap^d in S. plants, I offered to Schweinitz to buy W. of Baldwin & he has hesitated, Leitner has not sent me a[illegible] but I have those of Elliot, Carr &c

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Since Arnott has served me so shabily I have doubled the p[illegible] of the plants I had prepared for him, & so will I tell my plants & [illegible] are received. I once offered my Shells at 25 Cts & had no buyer, I then put them at $1 each & have sold many. So will I do for my N. plants & fossils now. However I mean to have next April an Auction of a few in trial, with some rare Bot. books.

I have 1000 things to say & to ask when you come. If you send me again, I'll put all my plants in Boxes again, as they take too much room. I have not yet met with a liberal learned Society in America to whom I could give or even deposit my herbals & Collections etc I would have been happy to be generous, as it is I must sell and make them pay high, that they may value them. I have sent 4000 Specimens last year to Mexico, France, Italy &c I shall send as many this year, to thin my Herbah, & try 500 at auction here. If you will make a bargain with me, I shall exchange with you N. plants for N & rare for rare — I wish to talk to you about the synopsis of cust. you mention, to know if you will make it perfect &c

complete with all the Synonyms & even doubtful plants! or else if my additional flora will still be required for the at a useful task.

Please bring me when you come, the receipt of the package delivered 2 years ago for me to Mr Wheeler of Nassau street

Farewell — yours sincerely

C. S. Rafinesque.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr John Torrey
Prof in Medical College
New York

Ans. Sept 8th 1834

Philadelphia 21st May 1834

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend

You must be now in Princeton, but how long? and will you have any leaps to come here or to go with me in the Pinebarrens?

Since recd your last I sent you several things, I have now N 1 of my Bulletin to send you. I have also left the house where I dwelt for several years in 8th Street, and I have now an Office & room in North 10th Street N 110 near Race Street, where I would be happy to see you. My removal has been very troublesome owing to my Collections & they are yet in some disorder; but yet can be seen & studied when required.

I am quite undecided when to travel this year & in fact cannot go very far, owing to bad times & my new removal. I should wish to combine some interesting short tour of a week with you either in the Mts of North N. Jersey by the Canal along the Delaware or into the Pinebarrens of South New Jersey, perhaps both. I lack the late plants of the Barrens & must go there in Sept.

It will be impossible for me to take my large & fine Specimens to compare at Princeton, & you will not like to see the small ones; I do not know whether to bring any of my doubtful plants, they are too many. You must try to spare me some days here in the fall if not before. To compare them would be very tedious as they are so many & there is so much to say on each.

I have found some rare plants this spring, & some fine Orchidea. I now believe we have no real Orchis here our O. spectabilis is not an Orchis, I am satisfied of this now, it has only 2 petals or galea & a labellum, & the anthera is concrete not connivent. I have found there Var uniflora & biflora of it. Linnaeus Descr. does not suit our plant, but Nuttal's does. Your friend

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Dr John Torrey.
Prof. Chemistry &c
Princeton
New Jersey.

76 Rec'd. Sept. 15th
Ans'd. Sept 30.

Philadelphia Sept 12th 1834

LIBRARY
NEW YORK
BOTANICAL
GARDEN

26

My good friend —

Your Letter of 10th is rec'd. I really thought you had neglected me. Our intercourse is unlucky. I did not go to Princeton altho' I was as near as Trenton, because I had no answer of yours & no plants with me to show you. Yet I was eager to see you. I had 1000 things to tell you or to ask. — I thank you now for your letter altho' late. We must contrive to meet.

I have made two Botanical & Orycto'logical excursions this Summer — I went to the Pines, thence to Trenton & walked from hence along the Delaware to Easton thro' the Mts, returning in the Stage with a load. My second Journey was more extentive, to the Welsh Mts or Blue ridge W. of Schuylkill, thence to the Kitatiny Mts, and thro' the Coal region of Schuylkill & Lehigh as far as the Broad Mt: always on foot while in the Mts. I was chiefly engaged in collecting fossil plants of which I have made 3 Boxes on the Spot. I have found also a new locality for Trilobites & fossil Shells on the Lehigh. — In Botany I have the following new or doubtful Sp.

Mentha Cinerea — Hairy Spiked — Welsh Mts
Clematis parviflora — Kitatiny Mts
Trichostema rosea — Locust Mt.
Leptandra latifolia — fol oppos. ovatis
Asclepias albiflora — fol ellipt. amplis glabris

I have besides several rare plants — Sinchus carolinianus which is also S. Spinulosus of Bigelow — Adlumia Sagittaria angustif. Potamog. heterophyllum &c.

I have met a very Singular Var. of Eupator. perfoliat. ternifolium, with ternate connate leaves.

I have found the Murea Chinensis Spontaneous in a pond of the Welsh Mts, but naturalized of course.

I have met also the Podostemon at the head of Schuylkill

but not in bloom. Have you well seen the flowers & do you find Michaux acc't correct? My examination in the Ohio of the flowers differs somewhat from him: but are they not 2 or 3 Sp. blended? Is really our Eastern Sp. the same as the Ohio Sp? I think there are 2 there!

What Quercus is the Rock Oak of the Alleghs. Mts. Leaves mucronate & then sinuate unequaly — pale smooth beneath

What Populus is the White poplar of the Alleghy Mts with large cordate leaves, denticulate, tomentose white underneath, but not candicans as in P. candicans.

What uncertainty yet in Botany? Mr Durand lately having studied the herbals of Muhlenberg, Nuttal & Schweinitz for the Genera Hedysarum & Lespedeza found them quite differently named by them! You will have plenty to do merely to settle these synonymies. What wonder then that I a real observer of plants in Nature & not in Books or Herbals only, should have my own views.

I have not yet seen Gray's grasses — how should I while travelling & collecting — I wished he had gone to the South to collect for us as you intimated. But I will take his grasses as I promised if you or he will take plants or Books in exchange. I repeat that I have 500 Sp & 5000 Specimens of Grasses & Cyperi — one half of which are undetermined, & contain many rare & new Species. I have in my late tour got 2 or 3 Paspalum unknown to me. I have also many fine grasses of the South sent me by Elliot with his names. All these are at your disposal or for exchange, as I long ago told you, when you chose to take them. I once promised you to give them all to you, if you procured me the sale of my other plants. I repeat this offer again.

If you go in the Pines this fall, get me Gentiana angustifolia & other rare fall plants. I want to go there for them myself if I can. Why not come here at once with Dr Gray & then I will go with you, the Pines are only 14 miles distant from this. I cannot go now to Newyork owing to the Cholera & this place is much nearer the Pines, if we meant to go there.

But you ought to stay a week or two in Philadelphia — you will find this time well employed. My Herbal which is likely soon to go to Europe deserves your attention before it goes. Those in the Acad. of N. Sc. will remain & you may see them at any other time — Indeed I have in contemplation to take my Herbarium & Fossils to Paris next year. Since here they are not valued as they ought.

I have long wished to visit Paris & publish some work there, whether I will be able next year, will depend on time & money. We must meet before I go & before I pack up. My fossils form now a very valuable collection also, besides Minerals, Recent Shells & other Objects. The whole is for sale since I am not able to publish them myself as they ought to be.

I wish to see the excellent things you have to show, your plants & Books, but these I can see ~~if you cannot come~~ next year, as I shall stay some time in N York before going & depart from thence. I am reading now Schoolcraft's late travels. Have you the plants of Houghton, he mentions new ones without names? Who has named the others, I doubt some of them — Cooper has done me also the injustice to quote Lea & Barnes for the Unios & not myself, tell him to read the late work of Conrad on the Unios — and become just if he can.

Please to make some enquiry at Mr Dewey at the office of the Peace Society Nassau Street if the Award for the Premium of the Peace Society has been issued. After delays of 2 years it was closed in June last; but have not heard of any award yet. Do not mention my name to any one, but state you enquire for a friend and try to find out whether any time will yet elapse, who are the judges since Mr Wirt is dead? and any thing else concerning the same. This was a subject on which I desired to speak verbally to you, I cannot explain in a letter, but you will partly understand me. Ask also why the Award was so long delayed altho' several Memoirs had been received? &c. Write me on this if you do not come. — But I am eager to see you & hope you will gratify me. You may come here also after going thro' the Piney forest to Sea if you like. Cedar bridge & the grassy plains of Quaker bridge are as good as any I was there last year. Atsion & Tuckerton are also good places. —

I am as usual Your Sincere friend & well wisher

C. S. Rafinesque

N 110 N. 10th Street

P.S. If you cannot come, letters exchange. Send me all you can spare of interest & I will do the same & make up a Box — Have you rec'd my Herbar. Rafinesquianum? I sent it you by mail —

Dr. John Torrey
Professor
Barclay St. Medical College
(single sheet) New York

SEP 8 1

Recd Apr. 15th 1835 —

Philadelphia April 1835

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

27

My good friend ——

I have recd your two letters One by mail & the other along with your Specimen & pamphlets — I must confess I was rather disappointed in receiving so few Specimens only 15 and 2 or 3 were in the former parcel and but 4 or 5 new to me. I expected from you this Spring a fine collection or at least 100, which I could have matched — But however I am glad to have recd even those few, and particularly the pretty Sabbatia nana which you call a Var. of Sab. stellaris! but is a Sp. for me — as all Var. are Sp. and all Sp. are Varieties! Has it the style declinate? I could not observe not to destroy the flower. I have now 4 Sp. of Sab. stellaris. Elliot Sp. is diff. from ours & my Amona or tricolor of 1802 is also different. Why not notice & defer. the style straight or declinate, it is as essential as in Spiraea! ——

I hear with pleasure of your labors & am willing to help you. I have very few rare Cyperaceæ, altho' many doubtful — I send you some again I have none from Oregon! have you any? but I have 6 Carex from Mandans collected by Bradbury in 1811, descr. by me 1817 — 3 are Triplina with 3 stigm I send them to you to revise & describe again; but you must return them as they belong to my fascicules of Stirpes Mandamentis. They were named by me 1817 & appeared new then, one was time descr. by Nuttal in 1818.

You need not have returned my plants unless you chose, yet by that mean I have your names for the grasses easier. You may keep all those I now send, whether you have them or not, except the 6 Carex from Mandans I send you as many as 66 Specimens, if you find 8 or 10 new to you, they ought to be a treat, Some are new, Some are doubtful & I put no name to them since you dislike to see N Sp Raf. — but when I have studied a Genus as you study the Grasses & Cyperaceæ, I think I have a right to put these marks to the results of my Company Jour. — {If you keep Sp. unnamed send opinion by reference to numbers?}

I asked you for many plants of Northern States only, & you say they are rare and did not send any, except Prunus obovatus of Bigelow (Padus G) I hope you may send me many yet. You never forgot the Gentiana angustifolia collected for me last fall — add to it all yours Gentians (which you can spare) except G. saponaria & G. sylvestris, I want to see the Sp. of Elliot, the G. villosa his white fl. Sp., his G. acuta which is an Erythrea but very different from that of the North which I have called Erythrea bicolor. Send me some Southern plants & Alabama plants, make out 100 Specimens this month & take them to Princeton if you come send them sooner — Send them to Dobson (or Durand) to him I leave the package for you, he says he expects other plants from Dr Short for you & will add mine — According to what I'll receive you will get other same things from me. You dont say how long you will stay in Princeton, whether you will come here awhile You talk no longer of going to Charleston to see Elliot's herbal, how can you go in the fall when sickly or Winter when busy — Nor do you say that Dr Gray is going South as he once meant. I wish he would

Although I dont buy plants now, I would give him $10 Cash for 200 Southern plants lacking in my herbarium, and would buy $5 worth if he would take Books or plants in exchange. As to his grasses I must have yet a Copy, if he can spare it, when complete, the unbound set at $3 p 100 and will give him rare Books or plants in exchange. 100 grasses & cyperaceae will come to $15. I have many rare Botanical Books to spare you, Annals of Botany, flora Graecae prodromus, Aitons hortus Kewensis, Gmelin - Linnaei Opera miscellanea &c. try to make this bargain forme, but I cannot pay Cash for grasses now.

I have added to my plants, Some pamphlets, My Principles of Semiology which pray read again (if ever you did) Some Copies of my herbar Rafinesq which you may distribute to your Correspondants — and Several MSpts Papers — 1. Botanical Remarks on Criticism, which you may use or publish, and avail yourself of in any way. — —

2. Catalogue of my 80 plants from Oregon almost all new, Desiderant to pass, Specimens yet with me, we went over them together last fall. Communicate this to the Lyceum if you like.

ABBEY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

3. Catalogue of the 50 Cruciferae in my Herbarium, Several are new My N. G. Platypteraryon saw. — I have made the N. G. Oclerosi from the Hesperis pinnatifida of West & have 4 Sp. or Varieties as you would call them Decandolle stated Examinanda I have, and fixed the Genus, the Stigma is Sessile, and entire, The Dilepticum of 1817 is a good Genus 2 Stamina instead of 6 — is quite generic and anomalous in the family I have 3 Sp. — My Discovium is good G. — you saw it. My agnum argenteum is perhaps a 2d Sp. but I have no Seed, have you? Send me or ascertain it — The G. Kernera of Moench is old & good — The G. Arabis, Cardamine, Sisymbrium, & Stylimbrium are yet obscure to me & I have many doubtful Specimen if not Species. If you want Some of my Cruciferae for your Study I will lend them to you, as this is a family I have not yet surveyed to my Satisfaction — If you have any Sp. not in my list to spare I will thank you. I have also a N. G. from Asia & Palestine! Iondsa Arabica — the Thlaspi Arabicum of books the G. Thlaspi is yet very uncertain even after Decandolle labours — I require revision & also Iberis, Sisymbrium &c

I have been revising my herbarium over again this Winter & worked upon it, particularly on the Genera Lobelia, Polygonum, Polygala, Potamogeton, Plantago, Ranunculus, Lonicera, Trivicum, Hasfalyce, Lactuca, Prunus, Amphicarpa, Parietaria, Arum, Sagittaria &c their monographs are much increased — Our 2 Trivicum — are now increased to 7 distinct Species, & the rest in proportion, upon which I depend as much as you do upon your 150 Carex & 150 Cyperacea! which I might deny just as easily by a sweeping denunciation as you might my own long Studied Species — —

I have had the pleasure to find in my herb. among doubtful Leguminosae a Sp of my G. Brawburya of Ph. Iudov. 1817 which thus became confirmed, I hope there is no other Brawburya, altho' I think I saw one somewhere Since. Now tell me is not this a Good G. — Cal. bibract. Camp. 5 fido. Carina & Stylus incurvus hamatus — Scandens fol. ternati — It is neither a Galactia nor Dolichos nor Glycine — Say then what is it?

My investig. of the G. Amphicarpa is very curious — I have 6 Species, 3 are 3 Sp. & 3 are 2 Sp. with acute calyx & no petals! forming Sub G. or G. Lobomon — but 2 Amer. botanists agree in their characters, one having seen & discr. 2 of the 6 & another the others — all differ in leaves!

Many of the Species described in the books are in a state of great confusion because the characters assigned to them are of very little value — There are 15 Ourouchis in my Letter of the 1st. ab. Cyperacea & applies to 100 other genera — Then why dont give me Credit when I investigate deeply a Genus or several Since you offer to lend me some plants, do lend me those of the genera above mentioned if you cant spare them — Also Gentiana, Commelina, Rudbeckia &c

I will gradually lend you all my doubtful & unpublished species as you proceed in your Work, provided you give me Credit for the name & discovery, & I will allow you to describe them & figure them, but not to destroy them by analysis of seeds — The Genus I will always determine too well without it.

You are aware the Commelinas like Orchis must be seen alive for the generic character, thence our 4 Sp. belong to 3 different Genera, Nephrallis, & Tradescantias & I have 10 Species out of the 3 genera, besides the Amanthrapis of Fl. Ludov. which must be a 4th genus of Commelinae —

Nuttal has 113 plants of Oregon & I have 80 nearly all different, my Collection dates of 1825 & ought to have been published before his yet we demonstrate few having but few similar Sp. — Lupinus sericeus, Polem. mexic. &c but his Oxytropis lagopus is my Ox. Cauldwii Fl. mandamensis 1817 & Ouitilon 1833 —

Among the 83 Rose plants he has described from all parts I claim a dozen as mine, long known or described — 1 Jeffersonia lobata Raf 1830. &c

Cynthia lyrata & C. griffithi N. my Rigia lyrata & heterophylla known since 1818 & 1802! Why is the G. Rigia abolished I cant tell, can you? It was made by Schreber on our Hypericum Virginica! —

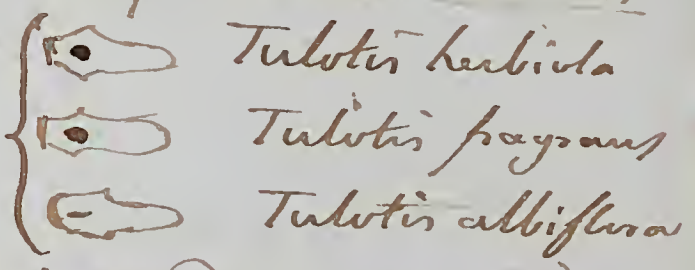
Rhamnus Shurtleffi N. appears diff. from my Cardiolepis by fl. 4 and apet.

Phylacis Walteri N. is my Ph. floridana Ouitilon 1833 —

Is it not shameful in Nuttal to have a G. Malvastrum instead of Acharia and pray what does he mean by Rudbeckia apetala! Torrey — is it a blunder of young — Rudbeckia has no petals but rays! and if no rays it is no Rudbeckia All the Bidens with rays are Coreopsis G. — all Senecio with rays Jacobea G.

I have called all the Euphorbias with a 5 lobed Corolloid Involucr. Petaloma pray adopt this fine G. — I have 6 Sp. of it. E. Cyathophora & graminea belong to it — the old genera Chamesyce, Euta, Characias, Tithymalus, Paralias &c must be restored as G. or Subgenera

My N. G. of Orchideae Tulotis 3 Sp. the O. herbida, 2 other N. Sp. T. fragrans & T. albiflora fine Sp. from the White Mts. of N. H. & Stevens — all have odorous flowers — Labellum with a gland or Nectary — there thus



The Achis spectabilis is also a peculiar G. I am convinced of it — I call it Galearis

When can I visit your herbarium? if ever —

When will you be fixed in N. Yk & Albany again — I want to spend 3 days in it —

I hope this Letter will satisfy you & prove you again my zeal & activity in Botany if nothing else — I want another Letter from you — Write me from Princeton & make it along one, answering enquiries & give me some solid matter.

Keep this Letter for reference — I hope that when Yr. Amer. Sp. write you novelties & synonyms you make an Entry in your Memoranda —

Respectfully as usual — Your Sincere friend C. Rafinesque

DORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

PS Will you adopt the Leucospora of Nuttall? I tried long ago to find good Characters for it & could not, it can only be a S. G. & differs f. Capraria only by habit & Corolla obtuse, the capsules are not properly twelve as N says — nor is the corolla tubulose! —

My G. Helepta 1825 is near to Lepetaria H.B. but differs by Perianth three almost simple nerved & Seeds obovate —

When will your Lect. in Princeton end & what will you do with yourself afterwards? — Dr Short appears to be very active he says to have sent 7 Dr of plants this spring, there is a package for me in the way, I sent him plants last fall — I wonder how he can collect so many & dry so well, he must travel in his Carriage with a press & 2 bales of paper! — How can Dr Gray get 100 specimens of rare grasses! to make up his 100 sets! —

I think the N. plant from Cedarbridge is a Cistus! or Hypericum! I have a Specimen with imperfect seeds & Calyx given me by Mr Carr! Could it be the real C. galbiceus but I have that S. Carol. & Cistus diff. or a New Antheli! (Helianth) I remember to have seen it in 1803! collected by Kunz & called a Cistus!

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Doctor John Torrey
Care of Mr Hastings
Medical School
Newyork

Single sheet

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

PS. I have both the Cunila glabra you speak of. I showed you one from Kentucky long ago. What is the character of this N. G. Mesomeris! Give me yr Name for the N. G. of Dracocephalon from L. Ontario —

PS. You do not mean to adopt my G. Hedyotis 1820 (Kylingia pumila) since you have it not in yr list. It is decidedly a better Genus than Rhynchospora & adopt such splits from Scirpus & Cyperus! If the number of Stamina is not essential in grasses Oryza & Bambusia are not Genera, nor. It is as essential as the number of Valves &c which are mere facts! but of Systematic blunders there is no end & but also mending. See on with my New N. Genera of grasses of old! Diarina &c

1834

50 Sp. 46 Crucifera × these are new Sp

from North America in my Herbarium 46A

Dentaria laciniata
— maxima
× — parvifolia Raf. 1820
× — grandiflora N Sp. Oregon
Oclensis Raf N G. Herpeni
pinnatif. Ductoni my
× — latifolia.
× — integrifolia
— lyrata
× — angulata
Dilepium (S. Lepidium Stam 2
— Virginicum
× — simplex N Sp
× — heterophylum N Sp
Capsella bursa
× — acutifolia
× — dentata
× — bifida
× — integrifolia
× Platoma simplex N G. Oregon
× Cakile ripanum.
× — longifolium. Oregon
— americanum
× Dicavium ohiense
— ? Argenteum.
× Kernera cuneifolia
× — sagittata
an G. Velicania Dec ?

Cheiranthus asper
Herpeni nationalis
Brassica napus
Raphanus raphanistrum
Cardamine hirsuta
— pensylvanica
— Virginica
× — pectinata
× — precox & alia Sp
Arabis lyrata
— tuberosa
— rotundifolia
— Canadensis
— falcata
— tenella (Italiana
& 2 alia Sp
× Sisymbrium diffusum
— amphibium
— nasturtium
× — millefolium (Sophia
Erylinum officinale
× — tenellum (Cheiranth
Erophila americana
— Carroliniana 1 ap.
Senebiera dichyma 2 ap.

See below

51 Sinapis alba
52 nigra

Cardamine
Arabis
Alyssum
Erysimum
Sisymbrium
Lepidium
Capsella
Thlaspi

(S. Rafinesque 1834

Drabella!

1 { ~~Erysphata~~ caroliniana DC
Draba Caroliniana Watt E
Draba hispidula — Mx —
Must form a G. or Sub Genus
Tomostima hispidula Raf. Antitkon Bot —

{ Drabella G. an Draba
forma, pessimum! —

2 N. G — Euditemon Raf — Antitkon Bot.

{ Cal. 2 fol. adpr. 2 fol. patens
Corolla or petals — nullis!
Stam. 2 fertilia 4 sterilia
Pistil. orbicul. Stigma sessile obtuso.
Silicula ovata, utrinque biloba, 2 sperma

Cronopus & Senebiera Genera habent Styles, petalis & 6 Stamina fertilia &c

Synonymia egregia multiplica

2 { Euditemon humifusum Raf Antitkon Bot 24!
Bisculella apetala Walter
Cochlearia humifusa Michaux
Lepidium didymum America L.
Senebiera didyma Amer. Persoon
Cronopus didymus Amer. Smith. Pursh, Nutal Elliot, Eaton & perhaps Torrey! —

An Cronopus didymus Europeus — toto celo dispar Genus diversum! Non O Sed 24 bona descript. in Elliot Videntur —

This is one instance of the egregious American blunders in Botany, and an illustration of a Genus! by me

Publish this for me if you like as a Communication

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Du choc des opinions jaillit la Vérité!) Philadelphia April 1835

28

Botanical Remarks adressed to Dr J. Torrey Prof by Profr. Rafinesque On Botanical Criticism &c

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

1. I hear with pleasure that you are labouring to compile & write a General flora of North America according to the Natural Method —

2. Much is expected from you in such a Vast undertaking, now that our Botanical Knowledge is so much improved & increased.

3. It is no longer a mass of incongruities that ought to be brought forward by you, but a well digested & revised View of all the extant Knowledge —

4. You may as to the Amount of such Knowledge adopt two plans, either confining yourself to the plants seen or investigated by yourself, in which case your Flora will be merely Torrey's flora, but not a General Flora —

5. Or you may include, either by adoption or reference to all the plants of North America, already published in 100 Works, pamphlets & periodicals: in which case you will really give a general Flora —

6. I strongly advise you to follow this second plan: because we shall then have in a single work, a general view of all what has been done —

7. But this does not dispense with Criticism. You ought not to follow the steps of mere Compilers without discrimination nor botanical accuracy. your well known patient researches will not allow you to fall into that vicious Way.

8. But your hesitation in many instances may lead you to overlook what ever may appear doubtful or obscure. I warn you against this propensity.

9. It is impossible for a single Botanist, even with the best means, and a large Correspondence to see, obtain or procure every plant of such a large Country as Ours. There are always some so scarce that they will escape his researches for a whole life. There are many that I have never seen yet myself during 25 years of botanical travels & researches in Herbaria of others —

10. It is a great mistake to suppose that in such a case such plants do not exist, and to pass them over. They must be introduced into a general flora in order to lead the Botanists to search for them — they are exactly those they delight to find and thus restore or make well known —

11. You ought to divide your plants into several Classes of knowledge, as Decandole & the best Botanists do. 1 Those well known, analyzed & examined by yourself in their live state — 2. Those seen dry by Specimens & well ascertained 3. Those well figured by some Botanical Writer. 4. Those badly figured or seen in imperfect specimens. 5. Not well known, not seen by you, but seen and well described by some Botanist. 6. Those referred to wrong Genera, or doubtful and to be revised again. 7. The most doubtful, of which only names or indications &c have been published —

12. Thus all our plants may be included in these Categories: and it is the business of enquiring Botanists to make them pass gradually from one to the other, so as to reach at last the first rate of knowledge. When even if the Genus referred to is not the best or properly fixed, yet any one can know the facts & characters to guide his design or Choice of Names.

14. You must be aware that it is owing to the neglect of these distinctions or graduations of knowledge that so many errors have crept in Botany, and that so many plants have either different names at tho' similar, or go under the same name at tho' really dissimilar.

15. Botanical Criticism is a peculiar branch of Botany, it becomes of high importance when the Science advances, and requires a sound judgment with a great share of liberality, divested of prejudice, and systematic inference.

16. Liberality is needful to it, because without it the judgement becomes warped and distorted. Some Botanists rely on this or that authority, quote this or that man, and thus bowing to Idols of their own making, they become Heathens and pagans! in Botany.

17. Others are the Skeptics & free thinkers of Botany, they rely on no one, believe only what they see, whether seen ill or well, and reject or distrust whatever does not agree with their System or plan or theories. —

18. Not so with the Liberal Botanists, they consult & quote all the authorities, and evince their impartiality and sense of justice: while at the same time they classify the knowledge thus acquired & converged, according to the degree of accuracy it displays.

19. I hope that you will neither be a Pagan nor a Skeptic in Botany, but a Liberal Writer. The least that is expected of you, is to see you imitate Decandolle in two essential points of Criticism — 1. In adding to the well known plants, those non satis nota or not well known, and the doubtful or obscure. 2. In quoting the year of publication of N. G. and N. Sp., to as to ascertain & fix the priority and just claim of each author. — Then you will say Pettandra Raf 1819. Lecontea T. 1824. Renealmia Beck (1833.

GRAY CORRESPONDENCE HERBARIUM UMBELLIFERAE

20. I should like also to see in your general flora, good tabular views of Synonyms to all extensive Genera, and a tabular view of all doubtful & shifting Genera, with dates and authorities.

21. Whatever be your mode of thinking respecting Genera & Species, it must be obvious that these points are needful or indispensable as ~~points of~~ botanical datas and facts that ought to be compared, and thus presented in the best mode to the future Enquirers. —

22. Enquiries on Botanical Writers & their labours are endless, but in every general flora there ought to be a reference of Authors & Works, I prefer the Alphabetical Order, but the Chronological Order has by far more advantage, and the mode of it used by Adanson in 1759 is by far the best, as it gives the number of plants & figures published by each author. —

23. Classification has always been the most disputed branch of Botany. After a long struggle Linnæus fixed the mode of forming Species & Genera, but he failed in Orders & Classes. ~~After his system~~ His Sexual System prevailed for nearly a Century, but now is giving way at last to the Natural Method, which seeks to fix the Classes, Orders & families. —

24. If you compare the labours of Adanson, Jussieu, Necker, Scopoli, Lamark, Decandolle, Agardh, Lindley & my own upon this interesting theme, you will become convinced that we are far from having yet a proper fixed and unalterable Natural Method: since every Writer has his own or modifies the whole; but the bases of this Method are ~~not~~ well known.

25. Whatever Method you adopt or learn to, or even should you frame a new one, remember that it will be needful to compare & quote the labours of others, on families & Orders, particularly in all the doubtful, disputed or shifting families, that are not yet properly fixed. But do not follow the blunder of Jussieu, who had Genera of incertae sedis, belonging to no families! There is not a single Genus, but what finds its place in the natural Method —!

26. There are families or Orders so distinct and well characterised, that they admit of no doubt. Such are the Gramineae, Cyperaceae, Filices, Musci, Umbelliferae, Cruciferae, Malvaceae, Orchideae, Labiatae &c, which are in fact natural Orders containing subordinate natural families.

27. But there are others more limited or not so well distinguished, that have often been rendered more obscure, by adding thereto genera of disparate character. It is those Nat. families that require the utmost attention & investigation. A very good plan is to take a well known Genus as the type & annex thereto the akin genera having common character. Such types are found in Viola, Linum, Dionaea, Menispermum, Podophyllum &c

28. But beware of annexing Genera from mere habit, or without adequate common character of an obvious nature: this is yet the stumbling block of many botanists. Thus Consolida does not belong to Delphinium nor the Ranunculaceae nor Botrophis to Actea nor Cimicifuga! not even congeneric, how can they be of the same Order? or since of different family types how can they be congeneric! [!!!] If you are in doubt about any Genus true affinities, I will easily clear it, provided the G. has been well described

29. It is not necessary to seek for ~~obvious~~ recondite characters in the Seeds & Embryos — there are always corresponding characters by far more obvious & evident in the flowers & inflorescence, habit &c that normally guide but fix the place in the Natural System

30. The essential Axiom stands good for families as for genera. No Genus & no Species ought to be put into a family or genus of dissimilar habit & character combined; or even if the character is different, ~~even~~ should the habit agree

31. Many Botanists have followed Linnaeus in making genera from mere habit, overlooking the character: this was an oversight of his, following the plan of the Old Botanists, he took a Sp. for type of a Genus, & referred other Sp. to it by mere habit, without noticing the differences. Thus we had once 100 Genera that have been split or revised whenever improving Botanists have arisen, such as Geranium, Orchis, Fumaria &c, but we have as many more that need the same reform, Veronica, Scabiosa, Commelina, Aristolochia, Polygala, Euphorbia &c

32. A single G. of Linnaeus Cancer in Zoology is now become a Class, many of his Genera of Insects, Birds, Fishes &c are become Natural Orders. In Botany the same with Lycopodium, &c.

33. It is a wrong principle that Number ought to guide in forming Genera, this was a mistake of Lamark, he thought all extensive Genera ought to be split upon trifling characters, & Genera of few Species let alone even if they had anomalous Species. It is obvious that such a paradox is destructive of all correct Accuracy. Yet it has had much influence in some Cases, and may partly guide us, as it really does among the Umbelliferae, Cruciferae, Gramineae &c which might be deemed single genera with more propriety than Convallaria, Polygala, Carex &c

34. It will be difficult to explain why the Cyperaceae & Gramineae have been

Beck 1833.

BOTANICAL LIBRARY COLUMBIA UNIVERSITY

Split into Genera & the Carex or Cariceidæ have not! altho' that Genus is as extensive, with many different flowers, stigmas, seeds & influorescence! as they! I have long ago since 1815 divided it into at least 2 Genera Carex & Stigmas Triplina 3 Stigmas, which I hope you will notice; but you ought to revise & divide the whole Genus like the Cyperaceæ! if you will not, I will or some one else

35. Since 1815 in my Analysis of Nature I indicated many of the Genera that ought to be revised & every year some one is; they will all be so gradually. What is the use of delay & hesitation in a matter so obvious? it only proves that the Science & mass of mind is slow to hold ascertained truths & facts.

36. Adanson, Moench, Necker, Jussieu &c proposed many such reforms, but they were resisted as are mine, yet are gradually brought on again & restored. This is not indifferent, but essential, since Names will only be fixed & synonyms rendered useless when the proper unchangeable undisputed names will prevail.

37. This applies also to Sp. & Varieties: altho' Botanists may differ on the terms. I have stated that I deem all the Species mere Varieties of real typic Genera. What we now call Varieties are such V. Species in the incipient stage. We might as well call them Species at once, for instance why not say Sabbatia nana instead of Sabbatia Stellaris varietas nana? 2 words instead of 4!

38. I am not singular in that belief, Linnæus, Adanson, Necker &c have all more or less alluded to it. The last went so far as to call our Genera mere Species & our Species their Broods or Breeds!

40. Linnæus & our Botanists had once 5 or 6 Species or Var. only of our North Amer. Quercus, Salix, Fraxinus &c, now we have 30 to 50 Species of each! of Fraxinus we have 32 adopted by Bosc, Lindley, Loudon &c while Eaton has only 9. The same if true of trees, is still more so of plants, and thus it is with my prolific Genera Dodecatheon, Clintonia, Tradescantia, Plantago, Polygonum &c which I have investigated closely as you have the Cyperaceæ & Carex; thus reformed & increased. —

41. Nuttal says that Polygala contains several Genera claiming the attention of Botanists. I have said so in 1815. It has been said by many others —— I have made a labour on this Genus long ago & published part of it; but here is the whole result & division in Genera 1. Polygala Stam 8 diadelpha. 2 Heisteria L 1st Edition Sp. pl. African Sp. — 3 Zoroxus R. Chamebuxus Juvenefut. 4 Tichisperma Raf. 1814. 5 Psychanthus Raf. 1814 type P. myrtifolia. 6. Ajemeia Raf Vexillum 0. Stam 8 monadelpha. — A. rosea & carnea Raf (P. viridiscens & pubescens auct. 7 Leptarchia Raf. Stam 6 — the verticillate Species

8. Senegaria Raf. Corolla glandular not crestated — type P. Senega

9. Anthallugea Raf. Corolla 3 lobe, glandular, fimbriate Stam 7. P. polygama

10. Polytachya Raf Stam 4 monad. Cor. fimb. fl. capitate — P. lutea, sanguinea &c

Besides the P. corymbosa which by habit must be also a peculiar G. — Corymbula? but I lack the character of Stamens, Corolla, seeds — can you furnish it ——

42. Thus you see how some Genera can be improved so as to fix them: how can you call Polygala sp. with 4, 6, 7 or 8 Stamina &c & habits so dissimilar. If right we must make a Genus Ombellifera with similar habit, 5 petals 5 Stam. 2 Styles, 2 seeds! of all the Ombelliferous plants!! Thus it is with the Genera Euphorbia, Veronica, Rudbeckia, Delphinium, Commelina, Aristolochia and others which I have long studied and well reformed. Prunus must be divided into Prunus, Padus, Cerasus, Armeniaca & Onipudias, the Calyx, fruit & habit different in each! — Examine & judge after reflection — C. S. Rafinesque

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY
TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Catalogue of a Collection of 180 Plants (60 New)

from the Oregon Mountains & territory, chiefly collected by Walton in 1822 & 23; named & described by C. S. Rafinesque in 1825. The Specimens are in his possession — × these were not new all the others are new Species.

Anemone brevifolia
——— lacera
Aconitum Oregonensis
Potentilla gracilis.
× Geum intermedium.
Hypericum grandiflorum
——— laxiflorum
~~Spiræa cuneifolia~~ tridentata
Menyanthes latifolia
Amethystea paniculata
Mentha capitata
Schizanthus Versicolor
Stellimia pectoides N. G. Radiata
Artemisia aurea
——— globulifera
Lupinus sericeus & 3 Sp. alia
Anoda deltifolia.
Stachys mollis
——— levicaulis
× Campanula alpina
——— pulloides
× Saponaria caymoides
Eryngium obliquatum
Epilobium macrocarpon
× Elsholtzia californica
× Gynamptis flexuosa
(since Clintonia of Lindley
× Odositemon aquifolium Raf. 1817
Mahonia Nutal 1818.
Gypsophila ternifolia
Dentaria grandiflora
Sanguisorba stipulacea
Onosmis sinuata
Oenothera maculata
——— levigata
Caprifolium acutifolium.
Asarum rotundifolium
Saxifraga macrodon
——— spathulata
× ——— crassifolia
Veronica longifolia
Verbena Cocanea
× ——— Mertensi
Platoptera simplex N. G. Crucifera — S. Platotoma better name
× Clarkia pulchella

× Polemonium mexicanum
Dondenium herbaceum
Lobelia parvifolia
Scutellaria baetrosa
——— tenuifolia
× Andrysace Septentrionalis
Spiræa cuneifolia — Shrub
× ——— Soibifolia — Shrub.
× Pentostemon gracile
× ——— diffusum
× ——— latifolium
× ——— pulchellum
× ——— Caputatum
} Were New in 1825
Gentiana brevicaulis
Omphalodes Ovatifolia
Castile longifolium
Viola glechomifolia
Samolus acaulis
Oenothera cuttata
——— rubra
Polygonum crassifolium
× ——— divaricatum
Plantago elliptica
——— pubescens.
× × Mimulus luteus
——— maculatus.
Cumarum angustifolium
Panicaria falcata

Monocotyles

Pentitium acuminatum N. G
diff. Pars Stam 10 &c
× Iris Sibirica
Allium latifolium
——— lanceolatum
——— triphyllum
Goodyera oblongifolia
Spiranthes paniflora
Ophioglossum reticulatum
Menopteris remotilobum

Descriptions sent to France 1833
Specimens for Sale for $15

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.
TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Dr J. Torrey NYK

Ans. ~~Sept~~ Oct. 17th

Rec'd. 1 Oct 23

Philadelphia 20th Sept 1835

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

9

My friend — On my return from a journey to central Pennsylv. I find your Card & that you had called on my absence, but left no Letter, nor plants — I have just found a package of 18 plants from Florida at Dobson's left by you without Letter, but with a pamphlet of Dr Asa Gray. —

Therefore to this day I have no letter of yours, no answer to my long letter & notes except a small note in Eudistemon found among the Florida plants — You were to give me opinions & to return the C Carex from Mondans — the Gentians &c I still lack. Meantime in July I took an interesting tour in the Alleghanies as far as the Nittany Mts — Visiting the Mts Kitanning, Peters, Buffalo, Mahantango, Tuscarora, Shade, Jack, Turkey &c I went partly for my health, having had a spell of sickness in June. I discovered & brought many plants & fossils — I have a new Vaccinia from the Shade Mts — V. tomentosa & V. superbus — Bringella rufea, 2 N. Lactucas &c — a N. G. of Alga, or aquatic Lichen! just like a crustaceous Lichen but growing in water fructific. in knobs & wrinkles. I'll call it ~~O. Lepidolithus~~ Lepidrolithus, a New Hydrangea & 3 varieties — — I shall make you up a package of Alleghany plants, and leave them at Dobson for you.

I must try to go into the Pocono in a few days, as I want the fall plants of the region, which you forgot to send me — Yet I am so busy that I dont know if I can go. I have now a permanent engagement for 2 days each week in the Gov. Savings Bank that I have established in May last — and I am printing a philosophical work on the Irritability of the physical and Moral Worlds. — On Botany I have already printed the Catalogue of my Auction, with Descr. of several new Orchidea, Umbelliferæ &c which I'll send you in the package.

Having now a hope of being able to go on with my publications, I have prepared my Monographs for the press, and am now preparing my Manuscripta florae Bor. Americ. — My history of the American Nations will also begin to be published next year — And I have other things in view — My travels to the Sources of Rivers Delaware, Susquehanah, Schuylkill & Juniata .... My Ichthyology of the Rivers Hudson, Delaware, Susquehanah & Potomack .... Thus you see I have my hands full; But I am never better pleased than when I can thus jump from one subject to another. —

Several of the plants sent me are novel to me & very acceptable — but others I had — Seymeria & Agrim. suaveolens grow in Kentucky — Polygala cryptoceras I had from Cawl. — It has all the appearance of a peculiar Genus by the habit. I never could see it alive to study well — I have however made a Sub G. of it —

The Eryngium gracile sent me is certainly different from my Streblanthus auriculatus, altho' you once thought they might be identic — but this Eryngium may be a Streblanthus.

The Orchis nivea I suspect to be a Sp of my N. G. Tulotis (See my Orchidea) altho' Nuttal does not mention the gland-lip but it is very different from my Tulotis albiflora. —

The Clematis reticulata of Florida is very different from that of Kentucky & Dr Short, of which I had made a N. Sp. — Cl. rupicola — Compare them — yet both are reticulate. Which is the real Sp? the Original first named?

I perceive by Dr Gray pamphlet, that he is a clever Botanist but entirely of your School — since he is your pupil — Like you he makes varieties of real N. Species — & plenty of Species out of microscopical details — I admire his table of Rhynchospora 30 Sp. all characterized by the fruit alone! yet I defy him, or you or any one else to say if these 30 fruits are as many Sp. Why my 40 Grapes — ~~and 100 Pine~~ are not such !!! — and more Why ~~100~~ Kinds of Pears are not also 40 Species having different fruits !!! . . . . twist it as you will, the case is parallel — only in one instance ~~you~~ he has taken a great deal of pains to ascertain these, done a good thing, & then will hold to it — But I am to be believed — if we deem them species! — altho' all formed equally by natural successive variations of spontaneous forms!

I should like to see or prepare many of his rare plants of Newyork — His Anemone cylindrica I am sure to have seen — it is one of my N. Genus Abalemis — of which I have 6 Sp distinguished from Anemone by Sepals 5, unequal; capitate Carpels — Now this is as good as Rhynchospora & Scirpus. The Ranunculus ovalis is probably my R. ellipticus. Dillingenia is my Diplugon of 1817? — Your Halenaria ut. is a Platanthera G. of Richards — The H. dilatata & hyperborea will probably be of G. Tulotis. Raf. also H. herbiola & perhaps H. bractata. The dilatata is perhaps my T. albiflora. I dont know the G. Vilfaby the name — is it Adanson retained?

I annex a list of those I want from you or from him but I have sent you last spring another list, of which you have merely sent Galactia mollis — Remember me if you have leaf-mos

Newyork plants wanted

Anemone cylindrica — Gray
—— multifida & sanguinea
Ceanothus ovalis —
Lathyrus ochroleucos
Valeriana sylvatica
Mitchella brachypoda
All the Galeanaria except ciliaris

Nasturtium natans
Doabaincana
Diplopappus albus
Dracocph. parviflorum
Utricularia intermedia
Vilfa — sp
&c &c &c

Now for the Eudistemon — In spite of Decandole I sustain that his Senebiera pinnatifida. var. incisa! is neither the species nor the Genus — he has blundered like these in his work — I'll rather take Elliot description than DC. who commonly have seen Garden Specimens, thus varying in petals & stamina! a fine illustration thereby, of Generic changes — If a plant or 2 plants may be united with petals or no petals, 2, 4 or 6 stamina — We may begin to unite Silene, Dianthus & Cucubalus — &c &c on with 500 other genera — Rubus & fragaria — Pyrus & Malus &c

What can I do for Dr. A. Gray? what will be acceptable to him? — Has he any of his Coll. gram to spare — I'll take N 1 to 200 at $ 6 — he may send them to Dobson for me & I'll pay him the money. ——

Will you have the goodness to procure me a Collector of Southern plants — I want to send one to Alabama & Florida jointly with you & any other — Or I want to buy 500 plants peculiar to the Southern States ——

I hope you are now back to Newyork or soon will be & I direct this Letter — farewell — Your old friend & Westminster

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

P.S. I have studied much Fossil Botany this Year in the Mts — & have ~~discov~~ brought many Specimens — from Lykens Valley & the Sam Mountains, Shade Mts &c I have as many as 8 Sp of fossil ~~Lichens~~ Fucus or Fucoides.

When you see my Work on Instability, you may be Surprized; but do not judge me harshly nor unkindly — You ought to approve of my principles, if you are a friend of tolerance, temperance, ~~and~~ peace and knowledge. —— As to the style, my object has been to make the subject popular.

P.S. I have found in the Shade Mts the Lobelia Vir. with linear leaves, only 2 inches high with a different mine of the Mts Lobelia with broad dentate leaves

Dr John Torrey
Prof. Botany &c
New York

Single sheet

Dr Torrey N. York

Recd. Oct. 29th

Ans. Nov. 2nd

30

Philadelphia 20th Oct. 1835

TORREY-CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend

I wrote you last month when I rec'd your late plants at Dobson's — I have no answer to it yet, nor to my letter of the Spring; with this you owe me answer to 3 letters —

Having met a private opportunity I write again, and send you some plants for examinat. & naming — I went as I proposed into the Pine barrens, but late, beg. of Oct. yet I found many fine things in bloom — I came within 10 miles of Monmouth —

I could not find the Gentiana angustif. this plant has always escaped me, you never told me the precise spot where it grows — But instead I found a New Var. or Sp. of the Genus, which I call Gentiana tractabilis — Caule humile scabriusculo — Intangul. nubro, flore solo 1–5 fl — fol. oblongis margine scabro — Is it the G. rubricaulis of Schweinitz? I send you one, the Var biflora. — I found also the pretty Polygonum articulatum never seen before, even dry! but mine has foliis filiformis, not linearis is it right? I found plenty of it in full bloom on 8th October in the Cedar hills sands — I send you 8 but if you want 12 large specimens I can send them in exchange, as I collected 40 specimens — I have also 2 Varieties of Ipomoea gracilis, fol. tenuis, flore albescens. 2 purpureus 3 ranunculifolium — I send you 22 doubtful plants of the Pines, which pray name for me or give your opinion, & return them, except such as you may want to keep — but then refer to them in the letter — I send also 9 plants from Central Allegheny for same purpose; but cant send my Najas tomentosa being too large for the paper, & my friend ~~cant take~~ the bearer —

I send you the singular N. G. of Aquatic Lichen! My Lepidotithus — give me your opinion — it cant be a Tremella since it dries in a crustaceous form — when fresh it is of consistence of Lichen pulmonaria & islandicus or a little more fleshy —

Now, the same friend who takes this, will stay a week in NYK & then return, he may bring me any plants you may have for me — and also the returned plants — My Carexides from Mandans &c

I earnestly again ask you for the Gentianea congeneres &c as I want to have a complete set of Amer. Gentianeæ — Nay send me also G. rubricaulis — Y. G. pulmonaria — G. linearis, G. echioides & the diff. White sp. from Florida, blossoming in Winter says Pillsmear personal — also the large white flower sp. from Mts Alleghanies of Mecklenburg &c — Nay all the sp. you can spare of the Genus — If you cant give them then lend them to me as you offered for my examination — & send them by Mr Brutté — you will find him at Mr Pees confect. William St.

Lend me also your Collection of G. Rumex, including Padus & Cerasus — I have been trying for years to make a monograph of them you offered last spring, then to lend me the Genera I might want for my Study of peculiar Genera or families — Now I call on you for this favor — The other Genera I wish also to be sent, would be —

+ Lonicera	Aster	Polygonum	Potamogeton
Euphorbia	Solidago	Hypericum	Ranunculus
+ Drosera	Helianthus	Lobelia	Anemone
+ Lactuca	Hepatica	+ Gratiola	+ Allium &c

But those I want most after Gent & Rumex are those marked + at present — Remember my former desiderata also —

Remember to tell me what you made of the little anthurian Shrub of Cedar bridge in Pine barrens —

I send you inclosed with plants 2 Copies of my Index Autiker Botanikem My sp. are then offered for sale — Mr Forthage who wants them to pay for them —

I am now myself able & willing to buy plants & I wish you will sell me or get some one to sell me 2 or 300 plants of Alabama, Florida, Georgia & the South — I will pay what you may deem fair — the sooner the better, as I will be engaged this Winter on my Suplemental flora of N. America — I want most of the first all the Monocotyle, not grasses, but Liliaceous, Orchides &c of the South — Next the above Genera & so on —

My work on Instability is not yet out — perhaps will be till 1st Jany next — I have begun to print at same time my first volume of History of the American Nations.

Thus I am never idle — Nay I find myself full of ideas & Ardor — Did you see my paper on the Chinese nations in the Knickerbocker? — Nuttal spends the Winter at the Sandwich Isls — that is another field for our America —

I am truly as usual

Your old friend

C. S. Rafinesque

LUDLOW CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Dr. Professor John Torrey
Barclay Street
Medical College
New York

Dr J. Torrey.

Recd Dec. 20th
ans. March 19th 1836

Philadelphia 18th Decr 1835

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend —

You must be very busy, since you have not had the time to drop me a line, in answer to my 3 Letters now unanswered, nor returned my package of plants sent for your examination —

If you are so busy till the 1st of March, we cannot correspond in the Winter — Nor can I avail myself of your offer to help me in my Suplemental Flora of N. America. You might however have written a few lines, to state reception & say when you would answer more at length — The proposal to send a Botanist & collector in Florida & Alabama, must be attended to betimes, and you must say at once, if you cannot move in the Matter, nor joine me, nor help me — When I shall try to apply elsewhere. But surely you may help me if you like when more disengaged. — My last Letters have been ample & require many answers — I believe I have answered all yr enquiries — Except ab the Adelia, having thought again ab that Genus, I have found it in my old Notes, classed with Fraxinus & Chionanthus. It is rightly so — a Fraxinacea! flower much like Fraxinus, fruit & leaves more like Chionanthus. — My New Genus Nudibus of Texas & also West Tennessee Flor. texensis — belongs to the same family

If you have any other Genus of doubtful affinity — let me know — I can help you — Since I have found the natural Class of all N. Am. Genera — There is none incertæ sedis — this is paltry fudge, altho' coming from Jussieu — But pray give me Credit at least for my Sagacity —

I forgot if I mentioned to you my fine N. G. of Euphorbiaceæ from Mexico — which may perhaps belong to Arkansas also — You may see it in our Gardens as Euphorbia pinetti — But it is my N. G. Neuradena Coccinea Att. Journal page 182 — The large mellifluous Nectary is quite peculiar & generic. This at least a Sub Genus — if you will not divide the Euphorbia, but they must be. — have been long ago 100 years ago and must again now

Since you are so busy you could not enjoy now my Philosophy of Instability just published. I defer sending it till March with my American Nations

Your Old friend

Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr. John Torrey
Prof. in the Medical College
Barclay Street
New-york

[c. 1835]

Some Plants Wanted — × these most wanted

TORREY BOTANICAL CLUB LIBRARY
COLUMBIA UNIVERSITY

× Gentiana angustifolia
× —— ochroleuca & linearis
× —— alba of Florida
× —— rubricaulis & pneumon. of North
× Viola papilionacea
—— & other rare sp
Vicia pusilla
Nuphar Helmiana
Carnassia Caroliniana
Galactia mollis Pine Barr
Myriophyllum all the sp
Rhexia ciliosa
Melothria pendula!
Menyesia 2 sp
× Polygala Vulgaris of West NYK wanted particularly

× Trillium Ottesonii
× —— luteum
Pyrola asarifolia
Ribes triflora
—— glandulosa &c
× Anemone the sp from Germantow
Thlaspi tuberifera! Nut & Beck ~~not Arabis~~ !!!
Ceanothus ovalis Big
Hippuris americ
× Hottonia americ
Hedyotis glomerata
Lobelia dortmana
× Exacum pulchellum
Lycopus Uniflo.
Bitum mant NYK
× Hamiltonia!

× Solidago squarrosa & all rare sp
× Prunus & Cerasus
Can you send me a set of all the species except Virg & Serotina
× Sabatia Campanul
× —— calycosa
× —— chloroides
× —— corymbosa
Physalis lanceol
Utricularia all sp
× Dodecatheon all sp!
All rare Orchidea
× Allium 3 flor. Raf but why spec

BAILEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Recd. Apr 1st

Dr John Torrey — N.Y.k

2

Recd.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Philadelphia 30th March 1836

My good friend — I was rather uneasy at your long silence, when I have rec'd at once thro' P. O. your two letters 19th & 24th Instt — It was as I expected. Your Chemical Lect. take up all your time in Winter — I thank you for all your Bot. News, and the parcel of Texan plants. These have been very tantalizing to me being without names, not even the Genus! I cannot make out the G. of some without destroying the parts, which I will not do. I have not Dr Hooker's Companion to refer to — What shall I do? Will you send me the names hereafter? — Referring to the Nos

These plants are Duplicates of your duplicates, and thus in poor condition. How you would reject plants sent by me in such a state? Small, broken, unnamed, without the Genus! without fruit often — How you speak of my Carices from Mandan collected by Bradbury? These Carices were sent for your examination, not to be broken nor destroyed, nor thrown by — they belonged to my florula mandamensis entire, and are painted in it. They had my names — it was for you to verify or rectify, but not destroy & neglect. But you forgot all this! —

I shall lay by the Texas plants, since they are not to be named nor described, waiting for a Dr. Hooker — They appear to me almost all N. sp. & different from any & those described by me in florula texana. I can only make out Bellis integrifolia & Sisyrinchium bermudianum — yet even the first appears distinct by entire leaves. Pray let Dr Hooker know that I have published 30 New plants of Texas both in attaw. Journal & Herbar. Rafinesq. But Texas must have 2000 sp of plants, those 70 of mine & Hooker are but a fragment of the novelties of that section of country. Nine given up to war like Florida. Conrad was to go to Texas to collect shells & fossils (besides plants for me) but is prevented by the war —

I am still promised plants from the South, but never get them. A collector has promised many from Georgia, One in Carolina is going to Europe & has not time to send me plants, Dr Croom has not unpacked me — Thus I am always expecting — I shall have to wait too long, and am preparing my Suplemental Flora of North America without them — You can help me but little, since you are yourself too much engaged — As to your Flora it will be many years coming and after all no general flora; but only Torrey's flora, or Michaux's

was his &c — Then mine will be mine also, what I have seen or collected from 1802 to 1836! in 24 years trench. Who can boast of so much, except perhaps Nuttal? —

Your parcel of Gentians was too large to be sent & that I cannot get them yet. If it is so with one Genus, how would it be with the 50 Genera I want to investigate well, having doubled them already? Even if I should go to N. Y. & found you there or at Burlington, it would take me a month.... We must then do as well as we can. — The best way would be to send me all your duplicates of doubtful or doubtfull plants (not Grasses) for my comparison — and I would exchange them with mine such, or return them after my Monographs are ended — You say you have a couple of Baskets of Specimens like my Mandarin Carices, which you want to be relieved off — Send them to me, & it shall be done — but let each Spec. have the genus settled at least — All these you might send in a Box, by Canal line or Rail road —

I am not aware that any of the parcels sent me & advised of have been lost — I gave you Acc. of reception of 3, all small, including the last of Texas — But you say nothing of my fine parcel of plants from the Cedar hills of Pinebarrens, including Gentiana trachiloma. Unless you have mislaid the whole, like former rubish as you call it How is it that you have not N. 6 of Atlantic J. with my N. G. Olneradena or Euphorbia pinetia? Both the 8 N.s were sent to you — but you neglect those articles, I'll send you again N. 6 & the N.s of Ft. Hey for Hooker — Or rather a whole bound set of Journal. —

You will receive by mail 6 Copies of N. 3 of my Bulletin, for distribution — Also by some private opportunity the 1st Volume of My History of American Nations 2d My life, ~~and~~ travels & researches 3d. Instability of the World. — All to be published this Spring — at prolific Season for me you will say — My American Nations will be periodical 2 to 4 Volumes yearly, it shall be my principal Work — Botany is now only amusement, or delight of my youth. The word on Instability (not Irritability) is the epitome of my Philosophy & religious Creed of Universal Love for God & Mankind. The worship of Spirit and truth, Love & peace to all — Universal tolerance and benevolence. I hope you are not too strict a Calvinist to dislike this philosophy; let us refer to the bible in all cases where available; but in the original

OBR (hebrew) text without points, instead of our erroneous translations.

MSHE (Moses) & Geology, Nat Sciences do agree much better than we are aware, if we read Moses as he wrote, not as ~~we translate~~ oft he has been so often badly translated..

I had read in the papers, the splendid project of Scientific Survey of N. York & $25000 applied yearly for 4 years. But your notice gives me some explanations. Where will they find the 8 able geologists &c. unless they appoint improper or unskilled men with friends to back them? I had once the thought of applying as a Candidate, As it happens that I am both a Geologist, Botanist, Zoologist & Draughtsman! But I have no influential friends in Albany, & would hardly know how to go about it. Is it Botany or Analyzing Chemistry you would prefer? You speak not of Chemists nor Mineralogists. Yet they will be wanted, to analyze, if not in the field. Are Eaton & Featherstonaugh the 2 great Rivals thought of? — Could you mention my name as one suitable, who has cultivated those branches since 1802 in America? I would like well to survey for 4 years the Mountains of New York with you, or other proper men. But I will not leave my business and labors for 4 years unless I am properly thought of — 8 Geologists would divide the State in many Sections, the most difficult part would be my choice. The Saranac Mts at the head of the Hudson I have wished to explore for many years. Write me if it is practicable for me to apply & inform me of what you know. You know that Geology & Oryctography is now one of my favorite pursuits, and I have begun to study the fossil Botany of N. Amer. in view of our fossil Flora —.

I wish you had sent me some of your plants from Mts of North Carolina. You say you have the plants of Key West, can you spare some, or send me a complete list of those you have? — Pray how did the Lycopodium carrandi escape so many botanists? Why Carrandi? did Conrad first collect it? When does it blossom?

My Adventina you may make out if you can from my description — which is correct, you could not see the characters in the dry plant, the flowers are too small, the habit alone can be seen well — It was spread with garden seeds, & grew wild it is either Sieve or has been put in a many genus as so many other plants. —

JOHN STORY PRINCE HERBARIUM COLUMBIA UNIVERSITY

Send me your Cyperacea & other pamphlets when done. Will you ask the Lyceum of N. York to exchange with me their Journal, complete Series for my American Nortonia & other Works? —

Can you procure me Hooker Companion & Bentham's Labiatae if not too costly, or in Exchange? —

How came Cinna to be Arundo, Calamagrostis & now Muhlenbergia? What successive blunders! Cinna is Cinna! & whoever denies that the number of Stamina is essential in Grasses, denies that Oryza & Bambusa are Genera &c. Vilfa of Adanson is now adopted? Why? & why not all his genera just as good or better? because Snooks will count in Botany as in every Science ....

As usual Your Old friend —

C. S. Rafinesque

Is not Tovara (Polyg. virginica) of Adanson 10 times better than Vilfa? in striking character? —

Doctor John Torrey

Professor in Medical College
Barclay Street

Single sheet

Newyork

Dr John Torrey NYK

Philadelphia 5th April 1836

Recd. Apr. 9th and Apr. 20th by E. S.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My good friend

Your Letter of the 11th Augt. of last year, which had been mislaid by Dobson, has to day reached me after 7 months delay! I find in it the names ~~the names~~ numbered of the grasses sent you last spring for examination — and among them the Carices of Bradbury — with your names! as well known species — I am willing to take your word for grasses — if not for Genera better known to me — Yet I wish for the Specimens back, to put them again in my flora Mandamensis. Antikon —

You state in that Letter to have just rec'd many plants from Tampa Bay & Middle florida, these with those of Key west & Alabama, I want to buy from You, as many as you can spare, or all your Duplicates, good or bad — to be paid for in proportion of the state they are in — You might add thereto the bushel you wish to get rid of at any rate — Make up a Box of the whole & send it on quick as I want to study them in May, before I start for my travels —

If you cannot send all — send as many as you can by return of Mr Shaw — who has the good nest to take this package. I met him by chance, and have only one day notice — thus cannot make up a parcel now for you — You may trust the Gentians to him, only the American ones — I have many Europan, enough to compare & to know that your G. pneumonanthe is not that of Europe. These will be a loan, & returned to Mr Shaw quickly after examination

The Spring is my busy time, while with you it is the winter —

I send you a Copy of American Nations & One of the World —

I hope you will allow me to call you a Patron of Amer Nations — and the $10 whole subscription I'll take in plants. —

Enclosed is a ~~Copy~~ parcel for Dr Samuel Akerly, which please to deliver him or send him. —

I cannot add more at present — Respectfully as usual

Yours &c —

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

C. Rafinesque

I send also a complete Copy of Atlantic Journal — $2 —

Ans

4

Dr Torrey —

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I have ventured to put my Names & Notes on your Gentians —. I do not know if you will like this liberty, but hope you'll excuse it — If you dont like it in future for other plants let me know — & I'll make Notes apart —

I want now all the other Gentianidia, the whole tribe or family — Decandole puts there Houstonia now — What do you think of that? — Any other obscure genus or family of your herbat among Monopetalous or Polypetalous plants will be acceptable for similar examination at leasure — I gave you once a list of my desiderata — I remember the genera Lobelia, Viola, Irids, Liliacea, &c &c —

Please send this enclosed Letter to Dr Akerly or put in P. O. with the other annexed inclosures —

I wait news from Albany from you —

Your friend —

Philad.a 28th April 1836 —

C. S. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr Torrey

Rec. July 1st

Philadelphia 18th June 1836

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

5

My good friend I have two letters of yours to answer, & what think you, one of them is the last one of last year, which has reached me with my Cedarhill plants — Via Kentucky You sent my plants & letter to Dr Short by mistake! & I have now rec'd them with those he sent this Spring. How careless & laughable! — but no harm done. You must have too much to think of to be always punctual & correct May it not be so with your names given in a hurry!

As to the Epicholithus I thank you for your microscopical examination this fact is a most important one in physiological Botany it shows what changes a Conferva may assume — & explains to me at least — the Origine of Lichens from Confervae — Meantime I deem this plant a real New Genus now forming out of Conferva mucoralis, exposed to new influences. When alive it is no more like Conferva than a Moss. It's nearer Oliviteria or Nostoch which are also deemed akin to Conferva, articulated fibres having been seen in them. Thus reflect on this —

Meantime I received from Mr Shaw in the beginning of this month your Letter of 13th May, with your fine parcel of Southern plants I have now about of them, including those sent me by Dr Short, mostly without Names like yours I will have trouble enough to study them well, as I do not wish to destroy the specimens for this I really expected some more better plants & names, yet am thankful for these, as there are several duplicates, altho' not always of the rarest — You state that they are all from Georgia, pray what part? Some labels say near Macon — But you must be mistaken, as I found some labels from North Carolina, among which Dionea & Galax, but specimens gone! which I wanted.

I have looked over the whole, and altho' satisfied with your arrang of reckoning them at ab 600 sp & at $18 for exchange in the total let me tell you, you made a very close guess, since there are only 672 Species & 92 are useless, being 1 without flowers 2 without leaves, 3 damaged & or broken — Meantime out of the 600 ab 400 are northern plants which I did not want! of the 200 Southern, I had one half already thus only 100 realy very interesting to me, which however thus will cost me 18 Cents a piece! this you will allow is rather a ~~dear~~ very dear rate, and I will much rather obtain real Southern plants named by you at $5 p 100 Waiting for those you promise. — This has put me in mind of plants sent formerly much better assorted & named, not damaged &c, which were complained of what should I say then to these!

The most perplexing are such as belong to Genera unknown to me, & doubtful by habit or lack of fruit &c — You might easily have saved me that trouble by putting the genus, which you probably know I can always make out the species when I know the genus, or make it a new sp — I dont think that this parcel contains many such N. Sp. but I have detected a few, a new Spiræa (I had 3 already) a new sp of my N. G. Vernasotes att J — I should like to know the Synonym of this if any — a new Crotalaria, C. angustifolia with long linear leaves & long pods a new Vicia — &c &c I'll state them all at another time. I suppose you have all the same plants already, then I should like to have your names for the New ones. — You labelled a few grasses which was well, but left some unlabeled of little use to me

Dont forget to send more Texian plants as you promised, & those of S. florida, the Keys &c.

The typical specimens of my Supplemental flora will certainly be arranged by Genera & Orders — Most are already, except those obtained within One year. — The very reason I want to sell these types, is that they may be consulted in Europe or here — The plants you give me or sell me with your labels I highly value & keep them with my small private portable herbal — But surely you will allow me to dispose of duplicates like those now sold me — The fact is I have too many plants, my herbarium is too large already — you see that in order to get 100 additions I must wade thro' the 600 sent me now — I have no house of my own, & no Society which I esteem as liberal — where to deposit my large herbal I have procured 40 boxes wherein to put them. — Why did Nuttal sell his herbal? and why was it 600 given him, while he only described 600 species at most One Dollar for every species — I shall describe as New, or needing reform 1000 or more & then ought to have $1000 for them — yet I only ask $500 for 2500 Species, including the rarest of all plants, well ascertained & compared

If I was to be employed in some Scientific Survey at N. York or elsewhere, this would take me some years of new labors, and I should have to store my Herbarium, & my geological Collections. What you deemed insufficient for your labor, would be acceptable to me; but I have little hope of an appointment. I am told that there is no chance unless I go to Albany to solliciit My friend Young Conrad is gone there, he would do as Ichtiman & Conchologist — I have half a mind to prep in Albany myself this Summer or fall, & solliciit for next Year, if not for this — I should have then time to prepare myself & have my actual business: but it would be improper for me to go

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

on a vain command, if others have been thought of & all the numbers are filled — Yet not one appointment has yet appeared in the Newspapers I am waiting the reply of a friend near Albany to decide. — —

The Georgia plants contain 2 Gentians G. angustifolia & G. catesbei? but this last with roundleaf & fewer flowers than ought to be. There are many fine Sabatias. This is also a favorite G. with me & I shall now be able to make a better Monograph of it.

The Monocotyle plants (exclusive of grasses) are but few 1/8th of the whole, hardly any Orchis. There is the Iris fandescantia hirsuta & Nuttea with the glabrima mistaken for Virginica as usual. Some pretty Lilliums there at Lilium Catesbei at last — An Iris in your order appears New I'll call it I. graminifolia or Stenophylla.

Many Liatris a Genus yet obscure to me, altho' I have 21 Species of it. The Lespedeza, Hedysarum, Desmodium .... are yet very obscure to me So are the Galium, Aparine .... I wish I could get all your Names

I have found this Spring 7 miles from the City, in a swamp among weeds, a Stellaria new to me, which I will send you — I cant make it out among the 12 Sp in Eaton, nor 6 in Beck. See if it is in Hooker

Stellaria parviflora Raf? Caule 4gono, glabro, prostrato. fol. oblongis brevis sessilib. pedunculis multifloris, apice incraslatis, cal. acutis — petalis minimis bipartitis, calice brevior. Stam 5! Stigma 3. This is therefore an Alsine whether a G. or Sub Genus. If it one of the Sp. mixt in St. borealis? flowers very minute. Has the St. alsine of Europe stem 4gono?

My Life & researches is published — how many copies will you Want? Are you in N.Y. or Princeton now — The 2d Vol of my American Nations is printing — I have made therein great discoveries in Biblic & Mosaic truths, by referring to the text & names of Moses. —

I remain as usual your Old friend

C. S. Rafinesque

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY.

Dr John Torrey

Prof in Medical College

New York

(single sheet)

Dr John Torrey New York

36

Recd Sept. 15th
Ans. 17th.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Philadelphia 5th Sept. 1836

I have not heard, my friend, from you since my last letter after receiving your parcel of Southern plants; but I have heard by the papers, that you have got an appointment in the Survey I was surprized at it after what you had written, and as 4 Chief Surveyors are named besides — you must have been named Ex to a for Botany & have had your wishes fulfilled — I congratulate you & hope you will do much — I am glad also for young Conrad who is a clever young man & wanted employment. He did right to go to Albany with recomendations — If I had done so I might also have succeeded, but I could not leave the certain for the uncertain Gov. Marcy wrote me a polite letter, saying he knew my qualifications, but had filled up his appointments as suggested to him. If ever additional help is required next year, think of me, altho' I fear you will rather think of your favorite pupil.

Meantime never disheartened I have explored this summer South New Jersey & chiefly the Pines, where I found a crowd of plants which I had never seen in 25 years botanical researches, & found many rare ones, omitted in your Compendium. As I know you feel interest in the Botany of the Barrens, I send you the names of some rare plants found & 2 lb specimens doubtful to study —

1 Near Salem and Woodstown & Bridgetown — swamps —

Eupatorium melitoides
Orchis bidentata & Var
Hedyotis glomerata —
Styridium Raf N. G. not my Curtia, but a Myriophyllum — fl fem aperalis, fl masc. Cal 4 phyl aperalis 4 andris
1. St. crassifolium Raf — found
2. St. scabratum of Cas! a Pdisp. Myr. scabratum Mx not found

Vellandra heterophylla Raf.
Hibiscus albiflorus R. fl. quite White one foot diameter
Hib. palustris of Lin? small rose flower banned —

2d Locality near Mulica hill Pine barrens, I spent a week there & shall go again in a fortnight — one of the best localities for fresh water plants.

Angelica lucida
Lactuca 7 Species
Liatris pilosa
Dioclemanthus villosa Var bulbifera
Apios pinnata & gigantea Raf 10 feet leaves 7 & 9 folioles

Pettancha latifolia R — undulata Raf — lacunosa Raf spec. } This fine genus, containing also the Catalinum of Elliott, is now much increased by me

Galactia glabella } Crotalaria ? Spicata
Lilium Canadense } Apios ? Tuberosum
— bifolium Raf not Var of Canadense Linnæus
Blephariglottis albiflora — Orchis Blephariglottis
— bicolor Raf beautiful much half white & yellow

I shall make a Genus of all the allied species having now at last ascertained the character — the ciliaris & conjugata will belong to it, & a fine new sp in the plants from Georgia Bl. longicornis R.

Ludwigia mollis — not in your Compendium
Blechnum Virginicum L. — Ditto
Woodwardia — & many other ferns

Oenothera parviflora — Spec. most at all doubtful in my Flora & I wish it to your
Hypericum Sarothra gracile Raf the H. angulosum of Pursh? not Samuel Elliot

Spiranthes canaliculata Raf — 3 feet — leaves linear canaliculate
With many other common Pine barren plants —

3d Locality — Near New Lisbon Pine barrens

Lycopodium clupeum ?
Lechea ? Menardra pulchella Raf — H. ? — beautiful in bloom
— — — lapifera Raf. H. grace — but flowers only ? hence
Hypericum Balmianum L the true sp grows at the Northern way
H. rupestre! — Same as that of the South & Elliot, but flowers & Calyx
Sium heterophyllum Raf — Eupatorium Album L.
— latifolium — Vietri Spicata Var pumila
— tridentatum Raf leaves entire or 3 dent as subulate.
Coptidia dichotoma Raf — beautiful sp diff sp Coptidia aurea
Same as Elliot Species! Convolvulus of Pursh, not of Australia

With nearly all the common barren plants Xyris, Polygala, Leiophyll
Rhexia 2 sp & 3 Var, Oenothera, Gratiola, Eupatorium &c I found at
last the Lygodium! I have a 2d sp from Apalachicola with remarkable leaves.

(Now my leisure!) I have studied the unnamed plants of the South
in the large herbal & have made them out nearly all with the help
of Elliot, and have been highly gratified to find many rare
ones of his, and many more new ones than I expected. These &
those of Alabama, Mississippi & N. Carol. received this year will
greatly enlarge my labors in our Flora. Yet I look many plants
Florida & Alabama, pray send me what you can. Now you will
not have leisure for years to attend to Southern plants. While I having
leisure have resolved to begin to print my New flora of North America
by Alphabetical Order. But the labor will be great & it will take me
I presume one whole year, altho I only attempt to put in such plants
as have been neglected, omitted or mistaken by other Botanists.

N.B. What Umbellif. plant is quite divided? there is one such all made flowers
in the Georgia plants, fl albis. assurgens, foliolis 3 5 lanceolatis integris

If you will favor me with any remarks, notes or disquisitions on some Genera, or Species &c I will insert them Verbatim in ye is Name. Send me first the Letters A to L. — If you send me Specimens named from Florida, the west, Texas, Alabama &c I shall quote you as Standard. Or you cans send them all, I would beg for a Catalogue of all your rare plants from Florida & Alabama &c I shall quote your herbal —

This New flora shall be my flora, instead of a general flora, as the expence & trouble of it would be too great. I still hope you will give us one day a General flora instead of a Torrey's flora. Yet this work shall be a thick Octavo, a Companion & addition to all our Floras. How many copies will you take? the price will probably be $3 — If you take 10 Copies, I'll take half of it in plants of Florida & Alabama, named or unnamed as you like; but sent me this fall or Winter — The first sheets will go to press this month —

Whatever I may receive while I print, will be thrown in an appendix if additional —

When this Work is printed, my botanical labors from 1802 to 1832 in America, will be better known, & I shall have done my task. Each Copy of the Work will be accompanied with 50 Autikons or figures by Specimens of new plants, but sold apart at $5 extra. Whoever will ask will have the choice, except for the rarest & single which must be deposited when sold in a proper place for consultation.

Dr John Vine of N. York (which you know) wants all my botanical works, I send him some by a parcel to ye Care, with the rare loff plants which please deliver to him. —

Keep return me there plants with your Opinion & names — unless you want to keep some. But send them back with your next parcel of plants to me — are not by the way of Kentucky !!! as you did once —

LONDON UNIVERSITY COLLEGE HERBARIUM COLUMBIA UNIVERSITY

I send ye 2 Copys of my Life & travels, please say if you want more — the 2d Vol of my Amer. Nations is printed but not bound yet.

Respectfully

Your friend —

C. S. Rafinesque

Send me your Character for your Rhus Empetrum.

P.S. I have found at Kinkora on the Delaware your Cicuta bulbifera fol. bi & trifidis — whether not the C. bulbifera of Linnæus, fol. fenículaceis! I had never met this plant in bloom before. It is not a Cicuta, but nearer Oenanthe & Aethusa, I'll make a Genus of it Kerastomeon. The bulbs are caly like buds of trees, is it the C. vivipara of Greenway omitted by all Botanists?

Recd Nov. 17th
and Dec. 10th

Philadelphia 3d Nov 1836

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

37

My good friend — The enclosed Letter was written a month ago & detained by the detention of the friend who was to go to N York — I have no Letters from you & know not if you are going to give your Lectures this Winter or continue a Winter Survey! — I am afraid you shall have little leisure to answer my various letters & enquiries —

The Gentiana albovirida or obtusifolia — I have ascertained to be the G. ochroleuca of many authors & one of the G. saponaria L. Pray read Linnæus 14th edition & you will see that he says his G. saponaria has ochroleucous flowers! fl. vatic. leaves 2 inches long 1/2 broad — What do you think of that? & of our Saponarias!!! with blue flowers.

I have found this year in Oct. the original Rubus arcticoides of L. — at the very place where Rubus procured the plant he carried to L. — I have collected 3 Var. of it, one of which is the R. criticia of many authors — this is a rare phil. plant — growing on the Schuylkill — I have many specimens & some for you — I have written a Dissertation on the genus to go to England with roots & specimens by a friend of London the Journalist — Pray tell me if you ever saw the plant alive & where? that I may mention it, I expect you only saw it dry — who gave you the specimens? this has a white pappus — I believe I gave you my R. elliptica of Cumberland fall, totally different altho' you said it was the L. plant — & my R. fulva your R. criticia has fulvous pappus &c. R. glutinosa Elliot is another N. sp. — I have them all & now want your R. Criticia with white pappus, there is no such sp. Gaertner did not describe his.

Have you seen Nuttal, he says he has brought 1400 new plants! but how many are in Hooker, Lindley &c? but he has a better luck still this land in a good inheritance — I am now studying Hooker's Flora 1st Vol What a fine work! yet how full of blunders! and new genera unseen! while others are made on microscopical characters! how many blunders of yours he exposes! and of all botanists, yet makes nearly as many himself He has bad genera, bad species, bad varieties, bad names, bad reductions to families! — How far has the 2d Volume been published? We have not got it here as yet — To correct all the errors of Botanists is almost a hopeless task; I find a difficulty in it, & in procuring proper printers for my botanical work — I must confine myself again I believe to publish my novelties & let the blunders alone for awhile. I wish you would spare me the trouble; but you want, because you follow the same steps, of blending, confusing, mixing, misnaming &c — Meantime I am as usual — Your friend —

C. S. Rafinesque

TORREY BOTANICAL CLUB
COLUMBIA UNIVERSITY.

Dr John Torrey
Prof in the medical College
Barclay street

New York

Dr Torrey. New York — Philad.a 21st Decr 1836 —

Recd Decr 27th —

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

38

My good friend. — Your letter of the 10th Instant with the fascicle of 14 plants is just recd & your Cyperacea — I saw in it with surprise that you sent me another parcel in Sept. by Mr Shaw, which I never received yet. I called at once at Mr Shaw, found that he is in New York & is parcel for me at his Store. Therefore I write you immedy that you may enquire what he has done with it. Did it go to Kentucky like another once? or is it missing or forgotten somewhere? Do enquire & let me know. Whatever you send I value highly in Snow. —

I have 3 Glossopteris (not Scolopendrium ad Scolopendra Insect) from N. America; but yours is welcome as it is a Genus for new graphs.

I dont know your Calam — agrostis brevifolia by name, nor till I get your list — I never will admit the abominable Calamus — agrostis which is neither Genera, I called it Amagris in 1817. Perhaps I have more specimens. I suspect it is a graft found in the Pines between Glassborough & Mulicahill, which I sent you to name —

You reproach me with not sending you rare plants, is not that one? I am sorry that I cannot send my 2 New Genera of Umbelliferæ, as I had only found 2 or 3 specimens, and one is gone to Europe already. I cannot trust these rare Novelties to the chance of loss or mischance, as it appears may happen between our 2 cities. But they are in my Herbal & Outline for sale when published.

You overlooked 3 Umbellif: also in the Georgia plants, highly interesting and new, my Daucus phyllanthus with involucre bipinnate like leaves. — 2 the Daucus pusillus as labelled turns out very different from Mr and Elliot, and a N. G. Tilosperma pauciflora Raf with granular fruit; while Elliot is my Lepisperma N. G. also with scaly fruit. Daucus is hispid & soon — the 3d is a singular & doubtful dioical umbellifera, the specimens all male & no fruit. —

You do me injustice in thinking I deem myself always right & undervalue Hooker — It is no such thing, I know that I cannot always be right when I am to guess at blunders of others, without good decas or materials to consult. All my innovations apart of discoveries arise from this wish. As to Hooker he is an excellent plodding botanist, with great advantages in help, friends, materials & means to publish —

But he is not a good critic, nor nomenclator, nor Genera-maker!! his own descr. & fig. are excellent, not to his discrimination. He could have made 25 good N. Gen. in his first Volume, which I must do for him! & blended at random the species, in his Genera Saxifraga, Rhamnus, Senecio, Silene, Trifolium, Phaca, Tanacetum &c.)

He has 100 palpable blunders & Omissions in 1st Volume, besides many more that can only be detected by closer inspection. Meantime he has made N. G. in ~~Umbelliferæ~~ Cruciferæ & other families upon the most trifling characters, yet dont admit some of Decandolle &c.)

You are his friend & do well to take his part. I am impartial & shall render him justice, without being blind to his faults.

As to your Cyperaceæ it is a fine work, and I wish I could sift it equally well. I fear I cannot. But certainly you have done me injustice in stating my Hedychloe 1820! as a synonym of Kyllingia as if I had changed the name, or knew not K.— while you ought to have put it as a synonym of K. pumila only! You know that I deem Stamens in grasses, more essential than bracts, ~~that mere~~ which we call glumes, or inflorescence & reunion of flowers — but your readers will not know it. — My Hedychloe is a better G. in habit & character, than Mariscus for instance; but you worship idols & bow to names; but I am no idolator! nor respecter of blunders. Then I shall sadly change all your Genera in due time, leaving you the merit of assiduity & comparison in N. Species &c.) Nay I have done so partly already in Neugenyton 1825 of which you take no notice!—, Your Cheto Cyperus shall be Cheto~~cactus~~ rachis for me despite of your idol Sienbeck: no compound names for me with 1 or 2 syllables added before or behind, nor for Linnæus — read his philosophia botanica! too much neglected nowadays! Cerato Schenus is as bad I shall find a good name for it — The Carex shall be duly cut up into natural genera in due time, if we allow much larger genera of 160 or 270 species, we may as well make the Umbelliferæ & Cruciferæ a single genus each! Why dont you? but no idol has set the example.

Meantime there you have a single family of 326 species making a volume, while the characters of old sp. are not even given! at this rate our Flora would fill 10 or 20 Volumes 8vo. Yet it is on such Monographs that the science must be based. Then I shall give a Monogr. of 100 Gentianea. You once regretted this increase of species & new materials, & yet you supply them yourself. Then shew that

x By thus dividing will you admit all this for a time of asters? You laughed at my idea of dividing Aster once! Yet I have done it & perhaps better than Sienbeck.

knowledge advances in spite of the restraints & systematic checks held buried for 20 years! Dr Pickering says that Baldwin herbal has 1000 N. Sp. (some South American however) - Nuttall boasts of 1000 or 2000 New Species brought I have 1200 described & figured as New in my flora & Autikon — And we have not exhausted by far our Botanical treasures. —

Your little fascicle altho' containing some I had, affords me a new Lobelia - and the Centunculus, of which existence I doubted. Lob. Lobelia boykinii is a bad name in bad taste, two botanists names ought not to be conjoined, I suggest instead Lob. setifolia a very good name —

My flora proceeds very slowly & was even suspended awhile for lack of a compositor that could print Botanical terms! the labor is great, the expence heavy in time & money, & I shall meet no thanks for my troubles after all. I have concluded to close the Lexicon of monographs very abruptly, and give instead selected monographs & my N. Genera & Species. My monographs of Abama, Acalypha, Acmella, Acnida, Aconitum 10 Sp. Adike, Acorus &c printed, are equal to any of your Cyperacea genera. I shall have 150 such monographs, & then you will not say that I must produce something as good before I quarrel with these Cyperacea, Chaeto-Cyperus! Cerato-Schenus &c.

I am not ignorant of the Glottidium of Desvaux & Decandole, but it was not adopted in 1817 when I stated the Phaca floridana to be a N. G then my genus was not good - Now Glottidium is! this is what I call special solicitude of Jupiter and the Divi Consentes, scorning Hercules!

The plants of Boykin & Ritchie, shall be highly acceptable. I do not mean to describe 2 New plants, unless you allow me — May I ask you to send me your names & characters which will be stated as such. Remember the Texan plants & Florida plants promised — Key West &c Dr Riddell now in N. Orleans has promised to collect for me next year If he goes to Opelousas we shall have Louisiana plants, yet doubtful to you.

TORREY BOTANICAL CLUB HERBARIUM COLUMBIA UNIVERSITY

I am going to prepare a package or Box for you of Plants & Books which I must trust again to Mr Shaw, but as this is now a busy time with you, I may delay a while; but expect something good for the 1st of March I have collected many large specimens last year and they may go in a Box better than a bundle.

I am glad y. friend Dr Gray goes to the South Seas: this will be a fine opening for him, tell him to keep a Journal. You state nothing about the scientific Survey, how has it proceeded this year, and what share will you take in it next year As usual, Your good friend

C. S. Rafinesque

Dr John Torrey

Professor in Medical College
Barclay Street

New-York

Single Sheet

BOSTON
DEC 24
22

Recd. Apr. 20th

29

Dr John Torrey Hartford

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Philadelphia 18th april 1837

My good friend — No news from you, since my last Letter of last fall — the missing package with Scolopendrium not yet received.

I have been quite in a bustle this Spring by having to remove to a new house N° 172 Vine Street, first door above 5th — I have now a whole house to myself and yet hardly room to display my Collections — I have at last found a Wise and Wealthy man, who will help me to found a New Institution of Knowledge on a liberal plan, to be called the Eleutherium of Knowledge, to which is to be annexed the Institute of learning of N. Am — & a mutual Library — We are looking out for a location — You will see all our plans in print pretty soon. My sine qua non was that No fees for admittance of my friend no restraint on Opinions. To such Inst. I may have all my Collections, Books & Mspts intime — I have acquired the herbarium of Collins & will soon be busy to scrutinize it, shall tell you more anon.

I sent you the Monograph of Rubinia — I meant to surprize you with a great Botanical Work — My Flora Cellenriana or Supl. to all Genera plantar with 2000 New Genera !!! to which I was led by my New flora of N. Amer but I could only print 2 parts or Volumes 1. Class & Order 2d 400 N. Gen. my other engagts have compelled me to suspend for a while. It is the first Work published in America on the general Botany of the whole Earth.

Dr Pickering says Dr Gray will want it, but must be consulted. You have not recomended any of my Works for the Expedit — But Dr C. has purchased some of my rare Works on Zoology — I had many on Botany — I send you my 2 Circular of this Spring, which please circulate (send to Lump.)

I have written a Circular to all the Governors on the State Surveys.

I am as busy as a Bee, am printing now 2 Works as Editor for Strangers, one on Astronomy, another on Safe Banking my own, but for the Eq. C. Savings Bank which I established in 1835 & is doing very well.

I begin to hope that I may yet bring forward greatly all my Discoveries & delayed Works. Botany is still my greatest Amusement after all but gives no profit, rather loss. My principles of Natural Botany are now printed in English & you or others may study them if you like.

Please let me know, which of my Works you want & how many whether for Money or plants. — You will perceive that I now deal in Natural Objects & plants — And even advance Money on them & on American Works — Undertake to publish those refused by Booksellers &c.

I am very busy & in a hurry — but hope to hear from you, & to write you again more fully

Your ob. Serv.

C. Rafinesque

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Doctor John Torrey
Prof. Medical College
Barclay Street

New York

Single Sheet

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Recd. Oct. 28th

Philadelphia 24th Oct 27/31

My good friend — I have at last heard from you by your short note handed me by Ct Castelnau. I had heard that you were engaged in Survey this year & did not know where to write to you. I have myself been alive & well all the while, altho' deprived of the pleasure of my long journeys this Season owing to other occupations & other works; but I am still going on slowly with my New flora of N America and Flora Cellariana at once; both Supplemental to all other floras! I have circulated but few Copies of the numbers published, wishing to surprize you and all Botanists when the whole shall be out; but if you wish to see them earlier I may send you 5 numbers of 100 pages two each very soon, and more next March, when you will be more disengaged, I presume that you will leave off Botany as usual in the Winter to attend to your Lectures. — —

I have never rec'd the package of plants last Spring of Cwith Colophudorium!) which you sent me — I have had for you a very fine package, and am preparing another at leisure with some of the rare plants of Collins Herbarium. I told you that I expected to receive that Herb. It is now mine, and it has afforded me much to study since last Winter. I have thus acquired many Southern plants that I lack, even the Centrinculus, Dichondra, Diphylleia, Mylocarium &c. I have found some fine & new species, even with duplicates; but many small and imperfect Specimens as usual, with some plants not named & of doubtful Genera, upon which I should like your advice if possible, but they are too precious to send & risk the mislaying. — Carex 2 N. genus? Lakeate Shrub of Florida found by Baldwin! both with linear leaves & capitate flowers the other fine racemose flowers — tell me if you know them, by the way. They are both quite distinct from the fine N. Y. called falsely Cunila Mysorensis coccinea by Thacher & Lindley to which I think of giving my own Name, as I have well settled the fact.

My botanical labors & materials swell on as I study & compare all Species I am myself astonished at it — what will you be then? I wish you would carefully read my Principles of Botany in N. A. letter, they are I believe incontrovertible. I neither envy you nor Nuttall your fine Studies & researches, but pray do not envy my own, nor its mental discoveries, for such they are; they have cost me dearly in time, money, and vexations, I took Collins Herbal in payment for $130, I publish all at my Expense, & I meet no aid as you do! remember this! Let then at least my reward be a fair fame, and gratitude from my Colleagues —

Count Castelnau only paid me a short visit, the day before leaving town for the South. He is chiefly a Zoologist & appears & enquired only for Insects & quadrupeds, also moving plants — But I hope to see more of him when he comes back. — The Exploring expedition will go at last, you never thought to succeed my wishes to D. you & others, I have only told a few works to Delineating Acaena, Rudolphus, & N. & O. of my Flora Cellariana &c

I would have much to say & ask, but you will not perhaps have leisure to answer me. Did you go to the Savannas Mts or head of Hudson where I attempted twice to go in 1816 and 1834? I hear my surmises confirmed as to the region

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

What have you been doing this year? What collecting rec'd? have you more Florida & Alabama plants to spare? or Texan which you promised me, could you furnish me a complete set of them & procure me the Compendium with names. I will pay for it — I am in new that out of 100 names of Hooker & co & Lec are always wrong! & he hides many new Genera — I want also the promised plants of the Keys of Florida, not so much to publish as to complete my nomenclature — I would prefer to have your name well settled.

Altho' I have not been far from Philad. this year I have discovered some new plants Hitt. Eclipta longifolia, at the mouth of Schuylkill & 2 or 3 in New Jersey!

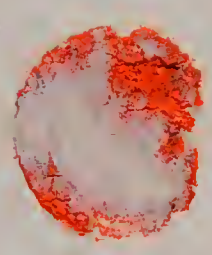
Farewell, write me abt the Florida shrubs or give me a clue to them

Your Old friend

C. Rafinesque

CORRESPONDENCE
LIBRARY
UNIVERSITY

Dr John Torrey
Botanical Laboratory Rooms
Medical College
New York,



Dr John Torrey — Rec'd Jany. 18th. — Ans'd Jany 22d — Ans'd Jany 24th — Newport

Philadelphia 10th January 1838

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

47

My good friend — last month Mr Dobson informed me that your package of plants for my husband had reached him & I have received it with your letter of the 17th Sept. 1837! 15 months old! this is a strange delay between N.Y. & Philadelphia & precludes immediate acknowledgement of specimens & perhaps may be found. Meantime I shall proceed to articles of your letter & give it. I have also rec'd by mail — few days ago from you the Catalogue of Nicollet's plants by Gray, & the Ch. this also will demand some remarks — I thank you for it.

Of all my thanks to you have reached only y' Calamagrostis (Amagr. Raf. 1814!) brevipilis — & this precluded by remembering your fever! It is strange you should admit Calam—agrostis! abominable antilinnean & antirational name! half arabic & half greek & ~~half~~ both halves absurdly employed as Genera! — I think I have several specimens of it, but am not sure of the identity of your species. — You should have clearly shown reason for use of your Myriophyl. but I have well examined the blum

Ble. hieum virginicum is still in Eaton, different from Woodward's, this being ~~Ill~~ beneath notice. Mx the 2 G. hardly differ, yet the lines are interrupted in W. & nothing are in my Bl. vig. of Ill — there is Woodwardia, but very different W. angustifolia!

You are right that Ley. is not the real Hydrocotyle Malmiana — the genus Sanicula is not to be given up, but I write there to all the Hyp with Caps in lacunas and fewer stamens than usual —

My New flora of Manitoba began to print in 1836 in 1837 going on & ~~has~~ has altho' interrupted by my flora Bellevueana & I 2 Wash. published this Spring (1 The Universe — 2 Soft & Bonkin) is proceeding as fast as correct compilation, & wishes to effect the whole work together, but I shall be compelled to issue what half is ready? now has of the pages is in Hooker's hands. My 3d N. on the Trees or Shrubs of a New Hyl. is not quite ready. I have three revised many different Monographs of Trees! — this is a broad & little course, & such you will find me quickly you doubtful Trees & Shrubs for my appendix. — Mts of Florida, Texas, Oregon &c would be far from acceptable & they will be returned to you, specimen equivalent. Have you got the Garrya, Olneya &c —

My Specimens will be kept in my Cabinet! the Duplicates will be sent to Europe. You again argue that it is impossible to find Hyp. in our vicinity! etc. Botanists must be blind or ignorant! Now these 2 Genus often occur, by blending in congruities. Witness for instance our Ulm! and the G. Eclipta! which yourself with all your knowledge & summer there did find in one of our Oaks and Ash trees. We have not Eclipta meta in V. Or, but in South Carolina, but we have both of Eclipta, and

my C. longifolia found by me never (that I have seen) to be seen by any of our Botanists! & so for the Genus.

I thank you for your fine specimens of Cottoptera last 1848! (Scotopterium or Scotopteridea, is perfect diffrt!) it will come on perhaps distinct from 3 sp. I have from Oregon, but you mistake the single locality, I have found it also on Lake Erie not in bloom.

I wish to hear something more of the Botanist sent to New Mexico where he? did he go? Could I have found for $25 when he returns. Why dont you set on foot an exploration of Texas also & I would subscribe for it. Why the hyeyen never sent me the rev. remainder of the Drummond plants with the names! & send me the trees and numerous plts (not grasses) at least.

I have long ago stated & printed that the Northern region or Hyperborean flora, extended to Long Island, sending upon along the coast, to Long Isd.

I had nearly all the plants of your fascicle, yet am thankful for them as I keep them with your names. But the Micrantylis (Acanthera Raf 1848) brachypoda was new. You sent me the real Utricularia of L. Adiba Raf. pumila of my flora. the other large plants are different.

I cannot agree with some of your names, but to my plant. See my Monograph of Cettarideae of which of course you are book the species.

Angelica triquinata is not that of other Botanists that is white, with Lechea minor without doubt! ... of which? Since each Bot. describes a peculiar one, see my Monograph. Lactuca I have 15 Species not 2!

The death of Mr Gray appears a great loss, he would have done much having wealth & leisure. His catalogue edited by you, contains some information even to me, but is full of errors & misnomers! ... as I call them.

I would be curious to see the 2 new Trees Coniferous from the South & Texas near Corpus Christi & Mountains of Mexico, Sargent & Nuttall but probably a N. Sp.

2. Tsuga N. G. another species! a 4th or 5th by Sargent you say!

3. I have received from Louisiana a Coniferous tree like Thuya but with filiform branches! is it also a New one? have you got it? what is it?

Will the Monograph of Sarracenia by Gray exceed Nuttall's? No!

Your Notes to Gray are valuable by the synonyms. this appears your main point, I agree yet in it sometimes, as in the Xanthium echinatum of Murray but when I made it a Sp. X. maculatum in 1818 you would have it to be X. strumarium! and in your flora! or Botany 1826! you make it X. macrocarpum! which blunder of yours you omit to state in your synonyms! was I not right in 1818 that it was new! if described by Murray as known to me and meant that? Omniscience by the gods, how could I help it? this is the way with all my new and Sp. But pray why do you credit Murray me? has he sent you his specimen for the text, or because he has a good figure! W. H. I have 1000 good figures of my new plants, or specimens to show or sell.

Why do you admit Amphicarpum of Kunth and Amphicarpæa of Ell., both identic, are they husband & wife!

Why do you admit the genus of Cassia now and not in 1826 they had been published long before? you must confess that you worship Idols like other & yr botanical Idols are now Hooker & Decandole, as they were once Linnæus & Widenow. You cannot be independent as I am.

You say I said that your Cylindrostachia lurnesii is not new, but the Lycopodium of Wax, which I have from the South & has lately been found in New-Jersey — What is the difference?

What are the dates of the Genera Amianthium & Leimanthium? they are my Genera — Crispinna & Cronyxis ft. Tel. long ago stated to be. Why not believe by you. Now you do believe in others! this is what I cannot comprehend, why not you allow my sagacity?

As to Grasses I hope you are more correct, but when I shall undertake their revision I fear you will be found deficient also, so two blunts cannot unsharpen. I know already that you oppose, Trifolium & myself in deeming the number of Styles, Stigmas & Stamens generic & even indicative of families!

You continue to have Viscum Verticillatum! have you read Smith in Rees Cyclop. about it. ~~that~~ We have no such plant, the tropical sp. is quite different & apt yellow! See my monograph.

Do you pretend to know the species Lycopodium of Linnæus! which had yellow flowers See Linn.! do you compare them?

I have found growing shrubby Labiate of Florida in Bertram as the Satureja rigida of Bartram dried. Go years ago, yet in new for Vent.! but it is not a Satureja I make it a V. G. Pilosephis! will you not Coy it adopted. There are in Bartram travels trees not yet in new Vent.!

Mr Torrey just tells me that you have been in Philadelphia at the Christmas Vacation, & you forgot or had not time to call on me! how is that? I see you talking with Nuttall. He tells me that you are busy with your own flora, yet you will admit no plants not seen by you! and yet you dont call to see me! A time may come for it however. Your flora will thus be your own certainly & not a general flora. Mine is a manifesto to all the general floras, I describe my own specimens, & only add the species not seen in the monograph, when needful for contrast.

I rather think it prudent to wait till Hooker, Decandole, Nuttall & myself have published all their labors, to give us a general flora of the United States! but you may think otherwise. If I had known you wanted to publish so soon I would have waited after you. We shall not often clash however as our views are so different, & as you will not admit my plants, & I give none to you (since you want or cant see them) our two floras will be supplemental to each other — you will blend & mix — I will divide & ascertain deviations. I shall double the trees of Michaux perhaps!

Will you not again the Decem. of this list to exchange a list of their acts

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

for my own Work? you once promised it should be done. Will you set on what terms they will allow me to deposit it with them for 5 years, a part of my American herbarium of 2000 Species, not to be handled or touched on no terms but kept to look out & compare!

Have you rec'd. No 1 to 3 of Flora Tellurica, sent you by Talling, & say what at you the right of such a wild display of mad Sagacity, which you will pronounce premature or extravagant no doubt; but it will not be so 50 years hence! So I am always ahead of limited Knowledge.

I beg you will buy for me in New York, if to be found Bentham's Labiatae Hooker's companion, a set of Decandolle, Lehmann's Compositae, Sprengel's Genera & Species ... I will pay for them a fair price, I should prefer second hand Copies, some members of the Lyceum may spare them perhaps, I have the use of some, but want to use them whole —

I have now with Collins herbal 1500 Species of Grasses & Cyperaceae, many new no doubt. These I would sell or deposit in New York upon some Conditions, and allow you to describe all the new ones, if you send me a Catalogue, not describe all upon Trees or Shrubs —

Write me as soon as you can (Respectfully & gratefully Your friend)

(170 Vine Street) S. Mahmeyer

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Doctor John Torrey
Professor Chemistry & Mineralogy
Rutgers College
Brooklyn
New York

Simple sheets

PAID

Dr J. Torrey — N. York

41

Philadelphia 20th March 1838

My good friend — Yr Letter of 25th Jany was delivered by Dr Gray quite lately with the 3 small pamphlets — I now send you some pamphlets of mine also, in which you will see that I have been engaged in various labors for a year past, and it is a wonder that I could attend to Botany all the while as an Amusement & relaxation, if you knew all what I had to attend to last year, in order to bring forth at last my great labors, and prepare the means for future activity — in the midst of pecuniary difficulties and disappointments — But with zeal & patience I overcome all at last, & I have long ago concluded 6 pages of my Supplemental Flora & Flora Tellurianna or 6 parts — If I had not undertaken these 2 works together, the first would have been completed ere now, but will be ere 1840. As it is quite a Manhattan & you do not admit my improvements we shall not clash in the least — But between 10 & 20 years hence you will admit of all my discoveries & N. G. as you now begin to do for those of 1808 to 1825. A Copy of the Flora Tellurianna has been laying for you at Dr John King Corner of Bunton & Beach Street N. York for some months. When I hear of any thing for me I hasten to get it — You have subscribed in one of yr Letters for 2 to 6 Copies of these two floras. I now sell them together only at $5 for 6 parts to Subscribers. I send you 2 Copies of New fl & another fl. Tellur. 6 parts by Dr Gray, and shall send as many more as you may require, which you will pay for at your Convenience or exchange for your own Flora of which I will also take 2 Copies at least, if it is not an expensive Book like the Reptiles of N Amer. now selling for $40! for abt 100 sp while I give 4000 Gen & Sp for $10.

Have you compared the 2 Coniferes of Florida with one in Baltsam & one of Louisiana with slender branches? Are they really 4? I know Amphicarpæa of DC. See my Monograph & 3 Subgenera flora. A, ea, eus, eum, eum, is, es, ies &c are all latin terminations & gramatical constructions, not fit for names, Scal.

I saw Leimanthium of Wild. in 1802, was it published before? & why did you not adopt it in 1823? Amianthum of Gray 1837 is my Crispsma of 1802 obj. & a part published 1825 — My Cyanotis is the Lemotis or Scilla esculenta of a diff. family — I changed the name where I met a war with white flowers! yet Gray has united them!

You are quatty mistaken abt Colling Herb. but I wish you had been the appraiser of it instead of Dr. Pickering who made me pay $150 for it — I have no objection to give or sell all the New Cyperaceæ at 50 Cts each if you only can pick them out. I do not pretend yet to be fully skilled in that family as you; but when I study & publish I am. Thus I have delayed many Monographs for further light, but have given enough to show what I can do — I am now leaving Botany for a while & am printing the Celestial Philosophy of Herschell & others. — I must go this Summer to Illinois to survey & lay out a City with the foundations of 5 Colleges to form a Central University. I shall keep you informed of my doings that way & send you our Our Bulletin. We shall receive Books, Apparatus, Plants, minerals & Labor, in exchange for Land & Lots — I shall again botanize in the West & mean to settle there between 1845 & 1850 giving all my Collections & Books to it, receiving Land for it which I shall dedicate to perpetual benefits.

Mess Cooper, Hallery, Lecontes &c. ought to subscribe or buy my 2 floras. I mean to send a circular to European & American Botanists to make it known. I have published so many works that I dont know which you lack yet. I send most of them & a list to the Lyceum

for the Series of their Annals brought me by Dr Gray. We had some but conversation together & I find he calls himself a lumper like you, belonging to the putting off School of Knowledge, altho' his writings are expansive & dive into the invisible Anatomy of plants. It is that putting off School that is now impeding the Exploring Expedition as it is impeding the rapid progress of Knowledge in all the Sciences. But times brings on the due changes & improvements in spite of all delays. As usual Your Old friend &c

(N° 172 Vine Street) C. S. Rafinesque

P.S. Any thing left for me with the Librarian of the Mercantile Library next door to the U. St. Bk, reaches me quick, as I go there every evening almost.

I send you a Copy of the Universe published last year — Did you get the 2d Vol. of my American Nations?

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIV

Dr John Torrey
Newyork

Favor Dr. A. Gray
with a packet of both pamphlets

Dr J. Torrey Newyork Rec'd May 28th 1839 Philadelphia 10th April 1838

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

My Old friend I wrote you 2 letters last fall & Winter, no reply yet I send it to y. I got last Winter Y Flora parts 1 & 2 from Durand & paid him for it cash, I was disap.d not to get the 3d ending the first Volume —

Y. Flora is a work of great merit, but with great deffects also, besides the Omissions Voluntary & involuntary — If you had noticed all my plants as not well known to you, or even given only their names as for those of Louisiana, it would have been better. Many of the plants given by you are no better known than Robin's My own are as well known as Nuttall's — However let it pass, my Supplements will rectify these oversights — You invite Botanists to aid you, & send you localities &c Why should I since you will not notice my localities &c already published, for inst. the rare Magnolia macrophylla found by me on the Cumberland River near the falls (in Kentucky) long ago stated, while Nuttall confined it to a single spot of N. Carolina —

I like your tabular View of families, altho' imperfect it has something definite but is it your own? or whose? I like to see restored my fine Ennemion in spite of Hooker Many of y. subgenera are true Genera, but in this you only others. Many of your Var are Species & you will think so yourself before you die — You have omitted many fine Monographs of mine & others such as that of Nuttall on Sarracenia in Act. phil. Soc. Phil. Rafin's of Lindley in my previous Omnia 1836 — Solea not a fish is my old G. Cubelium not even quoted by you — I have stated & printed that the Malope malacoides of Elliot with yellow fl. is not that of L. with purple fl. both seen by me, you do not even notice it, see (N. Lit. & Art.) You quote none of my late Works & labors, altho' you have them, thus they are of no use to you! yet why ask localities &c if you dont consult the printed ones. Do you wait to see them quoted elsewhere or do you deem 10 years needful to ripen facts? why then quote unripe facts of somebody else — Let us smile & be friends nevertheless.

My Monograph of our Mulberry trees, many new — is now printed, you will not like it of course, it is too good & correct like my Vitis — but I must however add that the sp. I have referred to Morus scabra of Wild. is probably a new species also & shall receive the name of Morus intrjecta Raf. —

You have not yet my Trees & Shrubs of North America, nor last parts of fl. Tellur & North Amer. but as they will be of no use for awhile, you may wait, you may have them when you pay, as you made me pay for y. Flora. I suppose Durand is not a better & better friend of yours, to give him the sale of it — Meantime why do you stop & dont go on? let us have at least y. own Observations — But I am told you want for the help of Dr Gray & dont ask mine — Where is he? with paid to go to Europe for the Univ. of Michigan — You never recommended me for any thing, but are my zealous labors of 40 years of no value to you? — It is strange that the more we labor hard & want to sell our labor, the less we can, but young men step up & gather the Dollars I am told you are going to sell for somebody many things, but do not even think of my Collections — Shall I ever be rewarded for my Labors ...? Nevertheless I am & shall ever be Yr friend

C. S. Rafinesque — N 172 Vine Street —

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Doctor John Torrey

Barclay Street Med: Coll

New York

Amd. May 28th 1839 Philad.a 1st Febry 1839

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

My good old friend — How is it that you did not answer my Last Letter of last fall perhaps yr Lectures take up all yr time & then you do not go on with yr flora — I was told by Durand that you had not even issued yet yr 2d No.r I wanted to buy the two together & still better with the 3d forming a Volume — I found that you sent him many Copies for sale & a free Copy — while you did not do the same to me — your oldest friend & who has sent you his Works without exactg payment before hand — This was hardly fair — While I would have been a subscr. for 5 Copies — or at least as many Copies as you took of my Works — And could have sold you many others — Can it be that you also feel jealous of my labors? I can hardly believe it We do not interfere in the least, but each is striving to excel in his line & accordg to his own views of the Science — This ought to be a friendly Emulation rather than any thing else It is so at least on my part —

It is to be regretted that you did not begin your Series by the inferior or the Cryptogams — where you had as in the grasses next so much to do & do well, while by yr plan they will be the last & perhaps never come out complete. In the trees & shrubs as in many high Orders you are not so perfect as you would be there & then you would have no rivals if you dislike them — As it is we shall often clash or differ on trees, shrubs, plants, monocot. &c, & time shall decide who was the most sagacious of us —

Meantime I go on in my weary but pleasing labors, as I told you my 4th part or Volume of New flora was completed so as to give you time to go on with your flora. I also completed my Stirpes Cellulosa in 4 Vol. or 1225 articles — But immedy after begun & have concluded last Dec.r my Synopsis of N. G. & Sp. of Trees & Shrubs of N. Amer. & elsewhere One Volume 1200 Articles price $5 — I have as many as 28 New Amer. Oaks, 10 Myricas, 30 Fraxinus, a list of N. Genera Revised of 100 Genera, Salix, Mimosa, Cassia, Bignonia, Rhamnus, Ilex, Pinus, Cordia, Ficus, Croton &c. All good, well named & similar to the labors of Lindley on Orchidea, Decandole on 500 Genera &c &c

I have printed last month my Monograph & manual of the Mulberry trees 25 Sp. & 30 Var. Several new American Sp. well fixed — this is to be a popular work like my Vines — price 50 cts, but 20 Copies for $5 — I now shall go on with my Exition of Labor on Heaths Andromedas, Vaccinium, Diolmas &c — then my Description of fig of New trees — Manual on Silk worms &c

It is desirable that we should come to a friendly understg on the exchange or sales of our Works — Mine as a set shall soon amount to $40 — but I

give large discounts when several are taken & paid for. You owe me yet for 2 Copies N. flora & fl. Tell — the 4th Vol^e wants your Orders or payment. If you take 5 Copies of my Trees & Shrubs price only $ 4. If 10 Cop. only $ 3. You lack yet many of my Works & I always expected you would take 5 Copies of each botanical in exchange — I am sorry you changed your plan which has induced me to do the same — Let us return to the mutual exche of 5 Copies, paying the difference to whoever will publish more —

I remain as usual — Your friend C. S. Rafinesque

BARNEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Doct. John Torrey
Prof. in Botanical College
Barclay Street
New York

Dr John Torrey
in Nyk

Philadelphia 15th Oct. 1839

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

45

My good friend — I wrote you not long ago I now avail of a private hand to send you by anticip the last Sheet of my Autikon 1st part — & the 2 first Sheets of my Contemplated Journal of Natural History. You see I try to keep you acquainted with my doings any how, I wish you would write yours — I hope you will get me some Subscribers for the Journal — Meantime as the times are rather hard with us here & you have plenty of good money in Newyork — and probably will be flush yourself at the opening of your College Session, I request that you will remit me as soon as you can the following little Bill at the bottom of this letter for Books already sent you, or that I shall send immediately on receipt of this small sum; it will be a trifle for you & yet be useful to me to go on with my works for which I always pay Cash.

Your Old friend
C. S. Rafinesque Prof.
172 Vine Street

P.S. If you prefer I will draw on you

Dr John Torrey — Dr to C. S. Rafinesque for some Books sent him or to be sent —

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

3 vol.	2 New flora of North America 4 Vol (3 sent already, 1 to be sent — at $ 2 each —	$	10 —
3 vol.	2 Flora Tellureiana 4 Vol (Ditto Ditto) $ 5 ea —		10 —
†	2 Sylva tellureiana, trees & shrubs of N. Amer. & American Grove 2 Vol at $ 5 ea		10 —
†	2 Autikon Botanikon 1st part 50 Cts		1 —
†	2 Monographs of Mulberry tree 50 Cts		1 —
?	1 Philosophy of the Hebrew Bible		1 —
†	1 Subscription to Annals for good books		5 —
	Books to be sent gratuitously on receiving the above	$	38

2. Improvements of American Colleges — 1839 —
2 Ancient Monuments of N. & S. America 1839

Philad^a 18th Oct 1839 — I reopen this Letter & take away the enclosure, as my friend omitted to call for the Letter — It will be very difficult to correspond cheaply till the Penny postage is adopted in this Country also, for which we ought all to petition

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

PHILADELPHIA

Doctor John Torrey
Medical College — Barclay Street
New-York

Singleton

Dr J. Torrey. N.Yk

Recd. Decr 1 1839

TORREY COLLECTION
COLUMBIA UNIVERSITY

46

Philadelphia 15th Decr 1839

My Old friend — Your letter of the 5th Octr with Bl. of 15th has crossed with my letters, & the pamphlets, sheets sent by Mr Sloan. Now I have none of yours for 2 months, nor any books, plants nor remittcs — Yr letter was interesting for the news it contained, but left so on other topics. As you have made up your mind to follow orthodoxy blunders & not attend to heterodox corrections — We shall leave the opinions to time. I merely refer to my unanswerable argument (in Celestial philosophy) {What is true now was true 100 years ago, altho' deemed false by orthodoxy teachers or writers — and what will be found true in 100 years hence is also true now, altho' not yet acknowledged —

Mr Yr. If you made many mistakes, by referring to my small acc.t you will see that I stated which sent & rec.d by you, & which were to be sent on receiving payment — It is strange you will neither send payment nor Yr works 5 copies of which I could have sold for you.

The parts 1 & 2 of text of Audubon Bot. are printed & want yr time precisely 50 Cents each part — The N.1 of good Book or Annals is printed & contains a review of Yr flora, the 3 Gen. Ferula, 100 G. Ombelliferum &c. If I find a private way I will send the Indexes to both works —

My ~~trouble & care~~ greatest & labors to improve Botany deserve (& will receive in time) more attention than any one can bestow. I suppose that you do not understand the late improvements in Chemistry, Zoology & Geology, since you do not understand Botany — You tend to collect names Monographs & rare works in Europe, but neglect Bartram & Others with my late labors! is it just?

My Audubon Botanica of 2500 figures by Specimens, will reply to your doubts, there none but self specimens are given & described — the 2 parts or 10 centuries contain already as follows

1 part	112 N.G illustr.d	38 first descr	220 N.Sp	132 new descr
2d part	9 — D.	31 Do	220 — D.	156 — D.

Then the 25 Centuries will contain nearly 500 N.G. and 1000 N.Spec of mine illustrated, whereof half now first determined & described. Since there will be no difficulty to sell the figures, try to sell forme One Copy out of the only 5 made up & you will render me a Service)

If you are a phrenologist (which I cannot) you must try to find out if you dont lack the bump of discrimination, for many plants go thro' yr hands that you cannot distinguish, but blend as Linnæus did once for 1000

But in result all the botanical labors coincide & afford materials, opinions may differ, but facts & objects exist. Christen are the essential data in forms variable & invariable or species permanent. Names only serve to fix these clusters of forms in human memory. Yours Old & true friend

C. S. Rafinesque
172 Vine Street

PS. How many N.G & sp of foreign plants not American, have you published? & how many Nuttal? How many corrections made?

Mr. Conquest disposes of 3 species of the genus the Constituents of New York & Northern states all known. Not which Entomy & are all good a new natural class of plants, Cornaceae, Zoot gy, Mineralogy & Newton of Mr. Dana. Atlantic Monument &c &c. Zero figures belong to this number & depart, are in the Antitem.

Can you inform me what is become of the orthodox Chenopodium ambrosioides of Linné Virginia? — character — fructiferum! (quite orthodox) — deemed doubtful by all but omitted by many — have you seen it? Why is it not seen by every body! like my new plants!

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dr. John Torrey
Medical College, Barclay street,
New York

Rec'd Aug. 25

Mr C. Durand

49

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Phila. 5th Aug. 1840

If note was rec'd, I have seen the 3 & 4 parts of Torrey, Gray & Nuttal Flora, perceiving that the size is increased to 12 parts instead of 9 & the price to $18, which is a breach of agreement —

Dr Torrey owes me more than $3 for books sold him & delivered, but not paid: when it is convenient for him to pay me. I shall pay also for his flora — He has subscribed to 2 copies of my bot. Works & some await his orders — among which the ~~two~~ below —

I have been unwell for 2 months of a dyspeptic complaint & am compelled to leave off the study of Botany & correcting blunders. Also to visit the Sea shores & healthy places. I always reside at the usual place —

Yours &c

C. S. Rafinesque
172 Vine street

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Dr Torrey Dr to C. S. R.

for 2 copies of the text of my Autikon Botanikon (not the figures) 3 parts published each of 500 new or rare plants at 50 cents, $1.50 — 2 copies $3 —

2 copies of the Review of Torrey, Gray & Nuttal Flora &c &c $1 each — 2 cop. $2

P.S. You may send this Letter to Torrey — $5

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

At the request of Rafinesque, I send you his answer to a note which I addressed him, to let him know that I had received no 3 & 4 of Flora of N. A. which I kept at his disposal — What shall I do? I have now $33 in hand, received from subscribers — Your printers may draw for them. — A cover of ~~one~~ of No. 4th is mentioned No 3 — which makes an incomplete copy. Yours &c. C. D.

Professor J. Torrey

~~Care Dr Torrey~~

No. Corner of Pearl & McDougal

~~Care Commodore Stockton 6th St~~

~~Princeton~~

New York ~~Philadelphia~~ ~~N.J.~~